CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Oct. 7	Elkins, W. Va.	Sept. 29
	Adv. Sept. 29 and Oct. 6.	
Oct. 10	Greenburgh, N. Y.	Oct. 6
	Adv. Sept. 29 and Oct. 6.	
Oct. 10	St. George, S. I., N. Y.	Oct. 6
Oct. 11	Cordell, Okla.	Oct. 6
Oct. 11	Decatur, Ill.	Oct. 6
Oct. 13	Harrisburg, Pa.	Sept. 29
	Adv. Sept. 22 to Oct. 6.	
Oct. 14	Ypsilanti, Mich.	Oct. 6
	Adv. Oct. 6.	
Oct. 14	Forest Lake, Minn.	Oct. 6
Oct. 18	Valparaiso, Fla.	Oct. 6
Oct. 20	Grand Rapids, Mich.	Oct. 6
	Adv. Oct. 6.	
Oct. 24	Milwaukee, Wis.	Sept. 29
	Adv. Sept. 29 and Oct. 6.	
Oct. 24	Salem, N. J.	Sept. 29
Oct. 24	Milwaukee, Wis.	Oct. 6
	Adv. Sept. 29 and Oct. 6.	
Nov. 10	New York	Oct. 6
	Adv. Oct. 6.	

SEWERS

Oct. 11	Passaic, N. J.	Sept. 22
Oct. 11	Hagerstown, Md.	Sept. 22
Oct. 11	Elmhurst, Ill.	Oct. 6
Oct. 14	Milwaukee, Wis.	Oct. 6
Oct. 18	Greenwood, Miss.	Sept. 29
	Adv. Sept. 29 and Oct. 6.	
Oct. 18	Passaic, N. J.	Sept. 29
Oct. 18	Memphis, Tenn.	Oct. 6
	Adv. Sept. 29 and Oct. 6.	
Oct. 25	North Arlington, N. J.	Oct. 6
Oct. 27	East San Diego, Cal.	Oct. 6
	Adv. Sept. 29 and Oct. 6.	

BRIDGES

Oct. 10	Ebensburg, Pa.	Sept. 29
Oct. 10	Spanishburg, W. Va.	Sept. 29
Oct. 10	North Carolina	Sept. 29
Oct. 10	New York, N. Y.	Oct. 6
Oct. 11	Oklahoma City, Okla.	Oct. 6
Oct. 11	Scalp Level, Pa.	Oct. 6
Oct. 14	Detroit, Mich.	Sept. 22
Oct. 14	Ohio	Sept. 29
Oct. 14	Pasco, Wash.	Oct. 6
Oct. 18	Valparaiso, Fla.	Oct. 6
Oct. 19	Freehold, N. J.	Oct. 6
	Adv. Oct. 6.	
Oct. 19	Tuscaloosa, Ala.	Sept. 29
Oct. 25	Salina, Kan.	Oct. 6
Nov. 15	Oklahoma City, Okla.	Oct. 6
	Adv. Oct. 6.	

EXCAVATION AND DREDGING

Oct. 10	Durham, N. C.	Sept. 10
Oct. 11	Des Moines, Ia.	Oct. 6
Oct. 12	Baton Rouge, La.	Sept. 22
Oct. 12	Stratford, Pa.	Sept. 29
Oct. 12	Waukon, Ia.	Oct. 6
Oct. 13	Springfield, Mass.	Sept. 29
Oct. 14	Portage, Wis.	Sept. 29
Oct. 15	Phila., Pa.	Sept. 29
Oct. 15	Memphis, Tenn.	Sept. 29
Oct. 15	Osawatomie, Kan.	Sept. 29
Oct. 15	Atlantic City, N. J.	Sept. 29
Oct. 17	Stillwater, Minn.	Oct. 6
Oct. 20	Washington, D. C.	Sept. 29

STREETS AND ROADS

Oct. 7	New York	Sept. 29
	Adv. Sept. 22 to Oct. 6.	
Oct. 10	Martinsville, Va.	Sept. 29
Oct. 10	Muskogee, Okla.	Sept. 29
Oct. 10	Hartsdale, N. Y.	Sept. 29
	Adv. Sept. 29 and Oct. 6.	
Oct. 10	Jefferson City, Mo.	Sept. 29
Oct. 10	Odessa, Tex.	Sept. 29
Oct. 10	Midland, Tex.	Sept. 29
Oct. 10	Stanton, Tex.	Sept. 29
Oct. 10	North Carolina	Sept. 29
Oct. 10	Waukegan, Ill.	Oct. 6
	Adv. Oct. 6.	
Oct. 10	North Carolina	Oct. 6
Oct. 10	Adel, Ia.	Oct. 6
Oct. 10	Johnstown, Pa.	Oct. 6
Oct. 11	Leavenworth, Kan.	Sept. 8
Oct. 11	Kansas City, Mo.	Oct. 6
Oct. 11	Claremont, Okla.	Oct. 6
Oct. 11	Okmulgee, Okla.	Oct. 6
Oct. 11	Ionia, Mich.	Oct. 6
Oct. 11	Ada, Okla.	Oct. 6
Oct. 12	Webster City, Ia.	Oct. 6
Oct. 12	Ebensburg, Pa.	Oct. 6
Oct. 13	Weehawken, N. J.	Sept. 15
Oct. 14	Belleville, Kan.	Oct. 6
Oct. 14	Ohio	Sept. 29
Oct. 14	L'Anse, Mich.	Oct. 6
Oct. 17	Alabama	Sept. 15
Oct. 17	Los Angeles, Cal.	Sept. 29
Oct. 17	Southport, N. C.	Sept. 29
Oct. 17	California	Oct. 6
Oct. 18	Long Island City, N. Y.	Oct. 6
Oct. 20	Florida	Oct. 6
Oct. 26	Alabama	Oct. 6
Oct. 28	Duluth, Minn.	Oct. 6

INDUSTRIAL WORKS

Oct. 11	St. Louis, Mo.	Oct. 6
Oct. 12	Kansas City, Mo.	Oct. 6
Oct. 14	Lawrence, Kan.	Oct. 6
Oct. 15	Phila., Pa.	Oct. 6
Oct. 20	Mt. Holly, N. J.	Oct. 6

BUILDINGS

Oct. 8	East Orange, N. J.	Oct. 6
Oct. 10	Harrisburg, Ill.	Sept. 22
Oct. 11	Providence, R. I.	Sept. 22
Oct. 11	Marshalltown, Ia.	Sept. 29
Oct. 11	North Platte, Neb.	Oct. 6
Oct. 11	Howard, R. I.	Oct. 6
Oct. 12	Merrill, Wis.	Sept. 29
Oct. 12	Trenton, N. J.	Oct. 6
Oct. 13	Springfield, Mass.	Sept. 29
Oct. 14	Sioux Falls, S. D.	Sept. 29
Oct. 15	Detroit, Mich.	Oct. 6
Oct. 15	Atlantic City, N. J.	Oct. 6
Oct. 15	Kansas City, Kan.	Oct. 6
Oct. 17	Middletown, Conn.	Oct. 6
Oct. 17	Los Angeles, Cal.	Oct. 6
Oct. 18	Three Lakes, Wis.	Sept. 29
Oct. 19	Toledo, O.	Oct. 6
Oct. 19	St. Louis, Mo.	Oct. 6
Oct. 20	Lorain, O.	Sept. 29
Oct. 20	Lorain, O.	Oct. 6
Oct. 24	Cleveland, O.	Sept. 8
Oct. 24	Cincinnati, O.	Oct. 6
Oct. 24	Columbus, O.	Oct. 6
Oct. 26	Wash., D. C.	Oct. 6
	Adv. Oct. 6.	
Nov. 1	Santa Ana, Cal.	Oct. 6
Jan. 15	Laramie, Wyo.	Sept. 29
Feb. 1	Williamsport, Pa.	Sept. 8

FEDERAL GOVERNMENT WORK

Oct. 10	Plumbing System—Memphis, Tenn.	Sept. 22
	Adv. Sept. 22 to Oct. 6.	
Oct. 12	Lighting Plant, etc.—Port Townsend, Wash.	Sept. 22
Oct. 12	Storehouse — Anacostia, D. C.	Sept. 29
Oct. 12	Operating Building — Port Arthur, Tex.	Sept. 29
Oct. 12	Water Supply Main—Quantico, Va.	Sept. 29
Oct. 13	Heating System — Hull, Mass.	Sept. 29
Oct. 15	Revetment — Jacksonville, Fla.	Sept. 22
	Adv. Sept. 22 to Oct. 6.	
Oct. 17	Recreation Building—Chicago, Ill.	Sept. 29
Oct. 18	Mailing Vestibule—Sioux City, Ia.	Sept. 29
Oct. 19	Repairs — Ft. Stanton, N. M.	Sept. 29
Oct. 19	Refrigerating Plant — Alexandria, La.	Oct. 6
	Adv. Oct. 6.	
Oct. 20	Fire Alarm System—North Little Rock, Ark.	Sept. 29
Oct. 20	Dredging—Phila., Pa.	Oct. 6
Oct. 22	Emergency Dams — Seattle, Wash.	Sept. 29
	Adv. Sept. 29 and Oct. 6.	
Nov. 2	Remodeling Barracks—Mare Island Cal.	Oct. 6
Dec. 7	Storehouse—Pearl Harbor, H. T.	Oct. 6

MISCELLANEOUS

Oct. 10	Dock Walls, etc. — Buffalo, N. Y.	Sept. 29
Oct. 10	Lighting Fixtures—Creston, Ia.	Oct. 6
Oct. 10	Pumps—Montreal, Que.	Oct. 6
Oct. 11	Electrical Work, etc.—Ossining, N. Y.	Oct. 6
	Adv. Oct. 6.	
Oct. 11	Piling and Lumber — New Orleans, La.	Oct. 6
Oct. 13	Refined Asphalt, etc.—New York, N. Y.	Oct. 6
Oct. 14	Electrical Equipment — Detroit, Mich.	Sept. 29
Oct. 14	Tunnel—Seattle, Wash.	Oct. 6
Oct. 20	Incinerator — Montreal, Que.	Sept. 29
Oct. 21	Subway—Detroit, Mich.	Oct. 6
Oct. 22	Cut Stone—Wash., D. C.	Sept. 29
	Adv. Sept. 29 and Oct. 6.	
Oct. 25	Trestle and Bins—Washington, D. C.	Oct. 6
	Adv. Oct. 6.	
Oct. 26	Jetty — New Westminster, B. C.	Sept. 29

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

Mass., Turners Falls—Fire Dist. plans 16 in. c.i. main from 17th St. to reservoir. $61,000. C. W. Schuler, chn.

Pa., Phila.—Plans improving Belmont, Roxborough and Queen Lane reservoirs and filters, new pipe lines, etc., $2 000,000. C. E. Davis, City Hall, ch. Water Bureau.

N. C., Charlotte—Plans pumping station and overhauling water plant. $300,000. W. E. Vest, 806 West Trade St., engr.

O., Portsmouth—Soon takes bids for c.i. pipe, valves, boxes and pig lead for pipe line extension. $50,000. G. S. Wilhelm, city engr.

Mich., Ferndale—Voted $110,000 bonds to extend mains 4, 6 and 8 in c.i. pipe. G. Jerome, 1331 Majestic Bldg., Detroit, engr.

Ill., Elmhurst—Making plans 4-6 in. c.i. mains. $30,000. F. M. Newman, clk. E. Hancock, 2047 Ogden Ave., Chicago, engr.

Ill., Waukegan—Making plans filtration plant and pumping station, rein.-con., brick and steel. $600,000. M. J. Douthitt, city engr.

Ia., Dubuque—Making plans, new mains and pumping station. $35,000. D. H. Maury, 33 West Jackson Ave., Chicago, engr.

Kan., Hoxie—Making plans mains and sewers in various streets. $50,000. E. T. Archer & Co., New England Bldg., Kansas City, Mo., engrs.

Mo., Burlington Junction—Election Oct. 17, $39,000 bonds waterworks and sewerage system. E. T. Archer & Co., New England Bldg., Kansas City, engrs.

Okla., Crescent—Voted $30,000 bonds pipe lines. W. B. Rollins Co., 209 Ry. Exch. Bldg., Kansas City, Mo., engrs.

Waterworks (Continued)

Col., Rock Ford—Making plans waterworks. Benham & Mullergren, Firestone Bldg., Kansas City, Mo., consult. engrs.

Ont., London—Progressive Natural Gas Co., Hamilton, takes bids about Oct. 10, laying 3 mi. mains from here to Crumlin, also drilling several additional wells. $28,000. G. L. Goodrow, mgr.

BIDS DESIRED

New York—Nov. 10, by Bd. Water Supply, Municipal Bldg., Park Row, Centre and Chamber Sts., New York, siphon pipes of Catskill Aqueduct, in towns of Olive and New Windsor, Contr. 209; Phillipstown, Cortlandt, Yorktown and Mt. Pleasant, Contr. 210; Mt. Pleasant, Greenburg and Yonkers, Contr. 211. B. F. Einbigler, secy.; adv. this issue.

N. Y., Greenburgh—Oct. 10, by Scarsdale Bd. Water Comrs., Popham and Post Rds., Scarsdale, 0.3 mi. 16 in. c.i. force main, etc., here; adv. this issue.

N. Y., S. I., St. George—Oct. 10, by N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York, hauling and laying mains and appurtenances in Arrietta St. and along bulkhead wall from Arrietta St. to Clifton.

Fla., Valparaiso—Oct. 18, by A. P. Kastler, clk., 12,000 ft. 4-8 in. Grade B c.i. pipe, one 30,000 gal. tank on 100 ft tower, etc.

Mich., Grand Rapids—Oct. 20, by G. J. Wagner, dir. Pub. Serv., concrete construction, filter plant extension. R. E. Harrison, ch. engr.; adv. this issue.

Mich., Ypsilanti—Oct. 14, 3 motor driven centrifugal pumping units. H. E. Holmes, clk. Hoad & Decker, Ann Arbor, consult. engrs.; adv. in this issue.

Ill., Decatur—Oct. 11, 4 and 6 in. c.i. mains. $26,000. W. Collins, Milliken Bldg., city engr.

Minn., Forest Lake—Oct. 14, by village, one 27 ft. concrete well, 18 in. diameter, one brick and concrete pump house, one triplex and one centrifugal pump with motors, piping switchboard, etc. $15,000. Druar & Milinowski, 504 Globe Bldg., St. Paul, engrs. Noted June 30.

Okla., Cordell—Oct. 11, filtration plant. $50,000. V. V. Long & Co., Colcord Bldg., Oklahoma City, engrs. Noted Sept. 8.

Que., Montreal—Oct. 10, by C. J. Des Baillets, engr. Water Bd., 50 Notre Dame St. W., 1, 2 or 3 electrically driven pumps, 30,000,000 gal. capacity, $100,000.

CONTRACTS AWARDED

Pa., Phila.—For improving Lardners Point pumping station, to Nelson-Pedley Co., Lincoln Bldg., $19 980; pump units at Bellmont filters, to Frederick Iron & Steel Co., 235 Harrison St., Baltimore, Md., $16,800; distribution and aerating flumes, to M. and J. B. McHugh, 892 North Markoe St., $36,667; chlorine apparatus, to Ross & Tiernan, Phila., $1,095; terra cotta ducts and laying 20 in. c.i. pipe, to F. T. Buckins, Jr., Deal and Kensington Sts., $14,820 and $49,317 respectively; electric cranes, to A. Cox & Co., Phila., $4,672; 1,600 ton 20 in. c.i. pipe, to Donnelson Iron Co., Phila., $63,520; 80 ton specials, Lux Co. Inc., Phila., $6,384; coal handling apparatus, to Specialty Eng. Co., Allegheny and Trenton Aves., $16,075. Noted Sept. 22.

O., West Park—See Sewers".

Wis., LaCrosse—For 6-8 in. mains, to Mankato Constr. Co., Mankato, Minn., $15,484.

Ia., Dayton—Four to six in c.i. mains, to H. Legut, Webster City, $25,000. Noted Sept. 22.

Okla., Pryor Creek—H. E. Rogers, clk., improving waterworks, building chemical house and laying 6 mi. transmission lines, to Ajax Constr. Co., Lawton, $35,000. Noted Sept. 22.

Sewers

PROPOSED WORK

Pa., Phila.—Plans 12 ft. 6 in. concrete sewer with latera's in Bigler St., $2 000,000, also additions to sewer treatment plants, $200,000. C. Frommer, City Hall, 1st asst. engr.

N. C., Charlotte—Plans several miles sewers. $150,000. W. E. Vest, 806 West Trade St., engr.

O., Cincinnati—Bd. Pub. Serv. opens bids about Dec. 1, 4,560 ft. 30-48 in. brick, concrete, concrete block or segmental block sewer also 10,730 ft. 12-24 in. pipe sewer etc., in Madisonville Dist. 7. $134,000. W. Sullivan, City Hall, engr.

O., Findlay—Plans election in November, $210,000 bonds, sewage disposal plant. Hoad & Decker, Ann Arbor, Mich., engrs.

Mich., Ferndale—Plans vitr. crock. concrete and brick sewers, $60,000. G. Jerome, 1331 Majestic Bldg., Detroit, engr.

Ill., Auburn—Making plans sanitary and storm sewerage system, $40,000. Holbrook, Warren & Anderson, Decatur, engrs.

Ill., Waukegan—Making plans 8-12 in. glazed tile sewers in various streets. $25,000. M. J. Douthitt, city engr.

Minn., Deer River—Making plans for sewerage system, $40,000. W. S. Runyon, clk. Druar & Milinowski, 504 Globe Bldg., St. Paul, engrs.

Kan.,—Hoxie—See "Waterworks".

Mo., Burlington Junction—See "Waterworks."

Mo., Carthage—Making plans 8-16 in. glazed sewers in Dists. 17, 59 and 39. $29,000. F. B. Newton, Carthage, engr.

Mo., Columbia—Making plans 2 rein.-con. septic tanks and 9-12 in. sewers in various streets. $128,000. D. Silver, City Hall, engr.

Mo., Marceline—Soon takes bids sanitary sewers and sewerage disposal plant. $210,000. Benham & Mullergren, Firestone Bldg., Kansas City, Mo., consult. engrs. Noted June 16.

Okla., McAlester—Receives bids latter part of October, outfall sewers and sewerage disposal plant. Benham & Mullergren, Firestone Bldg., Kansas City, Mo., consult. engrs. Noted June 23.

Ont., Kitchener—Plans filter plant for sewerage. $35,000. Address A. H. Millar, City Hall.

BIDS DESIRED

N. J., North Arlington—Oct. 25, by Passaic Valley Sewerage Comrs., 128 Market St., Newark, part of Sect. 26 Kearny-North Arlington Branch Intercepting, Sewer, consisting of North Arlington River crossing here and in Belleville Twp., earth excav., dredging and refilling in trench and open excavations, for 20 in. c.i. pipe line crossing Passaic River laying 20 in. c.i. pipe (all c.i. pipe and specials to be furnished by commissioners), 95 cu.yd. concrete masonry, etc. J. R. Van Duyne, ch. engr.

Pa., Johnstown—See "Streets and Roads."

Tenn., Memphis—Oct. 18, at office C. C. Pashby, city clk., City Hall, Binghamton, sanitary sewer outlet main; adv. this issue.

Ill., Elmhurst—Oct. 11, 8-12 in. vitr. tile sewers in Mowreau Sub-Division. $25 000. E. Hancock, 2047 Ogden Ave., Chicago, engr. Noted Aug. 18.

Wis., Wilwaukee—Oct. 14, by Sewerage Comn., concrete foundation for 68 x 166 ft. boiler house on Jones Island.

Cal., East San Diego—Oct. 27, by W. W. Easton, city clk., lateral sewerage system; adv. this issue.

BIDS RECEIVED

Pa., Phila.—For (1) 12 in. concrete sewer in Ashdale St. from Front to Fisher Aves., (2) 5 ft. brick sewer in Erie Ave. (3) 7 x 10 ft. concrete sewer in Packer St. from 22nd St. to Penrose Pl., and Moyamensing Ave. from Penrose Pl. to 18th St., (4) 5 x 7 ft. concrete sewer in Packer St. from Penrose Pl. to 18th St., (5) 3 ft. brick sewer in 9th St. from Moore to Tasker Sts., from A. Pascutti, Lincoln Bldg., (1) $144,523, (2) $27,808, (3) $103,690; Higgins & Reilly, Real Estate Trust Bldg., (1) $179,658, (2) $35,672, (4) $53,652; Ryan Constr. Co., Real Estate Trust Bldg., (1) $156,542; J. J. McHugh, 1617 Race St., (2) $37,583, (4) $49,793, (5) $25,873; Cunninghan & Murray, 1345 Arch St., (3) $127,655; J. Lombardi, Lincoln Bldg., (3) $135,988; Union Foundation Co., Phila., (4) $40,459; A. Devito, Phila., (5) $18,150, Acchione & Canuso, 763 South 12th St., (5) $21,653.

Mich., Detroit—Dept. Pub. Wks., (lateral sewers, (1) 3441, (2) 3501, (3) 3502, (4) 3503, (5) 3511, (6) 3519, (7) 3524, (8) 3525, (9) 3526, (10) 3527, (11) 3528, (12) 3530, (13) 3533, from W. Porath, 1410 West Grand Blvd., (1) $12,632, (8) $12,633, (11) $824, (12) $2,625; Oakwood Constr. Co., 165 Fort Bldg., (1) $12,081 (2) $43,000, (3) $45,000, (4) $6,600, (5) $4,708, (6) $51,000, (10) $3,200; Detroit Drainage Constr. Co., 1604 Pennsylvania Ave., (1) $12,290, (3) $42,700, (4) $6,193, (5) $4,158, (6) $48,000, (7) $12,600, (8) $10,134, (9) $1,193, (11) $768, (12) $2,362, (13) $3,400; Detroit Contg. Co., 827 Ford Bldg., (2) $39,982; M. C. Livingstone, 778 Wilde Ave., (2) $38,068; Langley & Barton, 3784 Lincoln Ave., (3) $44,600; McCordie Constr. Co., 1340 Penobscot Bldg., (4) $6,600, (10) $3,300; R. D. Baker, 1415 Penobscot Bldg., (5) $4,500, (9) $1,200; Gustin & Co., 5332 Allendale Ave., (6) $48,500; Liberty Constr. Co., 917 Detroit Savings Bank Bldg., (7) $17,445, (8) $12,700; Western Constr. Co., 1208 Ford Bldg., (7) $16,870, (9) $1,274, (10) $3,260; G. Tata, 9650 Oakland Ave., (11) $790, (13) $3,510; A. Di Faxio, 1556 St. Joseph St., (12) $3,000; A. Rossi, 1778 East Grand Blvd., (13) $3,643.

CONTRACTS AWARDED

Md., Baltimore—Sewers in area bounded by Barclay St., Old York Rd., 32nd St and old city line, to F. Carozza, Calvert Bldg., $42,197; intercepting mains at Locust Point, to D. Catalono, 265 East St., $29,559.

O., Akron—Director Pub. Serv. Northside Intercepter Sewer, to M. H. O'Toole, Akron, $39,601; Little Cuyahoga Intercepter Sewer and sewer in South Arlington St. Dist. to T. E. McShaffrey Constr. Co., North Portage Path and Sunnyside Ave., $73,782 and $68,593 respectively. Noted Sept. 29.

O., West Park—Ford Realty & Constr. Co., Cadillac Bldg., Cleveland, 30,000 ft. 8-36 in. vitr. sewers in Ford Allotment, here, to W. B. Smith, 1350 West 89th St., Clevland, $112,000. Noted Aug. 25.

O., West Park—Laying sewers and water mains in Normandy, Belmar, Ernadale, Lauerdale, Silverdale, Derby, West 158th and West 159th Sts., to Gallagher & Burke Constr. Co., 1339 Irene Ave., Lakewood, $42,348. Noted Sept. 22.

Mich., Ecorse—For 1,183 ft. 2 ring brick sewer 2 ft. 10 in. x 4 ft. 3 in. egg shape in Cicotte Ave., to Langley & Barton, Penobscot Bldg., Detroit, $25,000. Noted Sept. 8.

Ill., Decatur—Tile Sewers in Johns Ave, to S. W. John, 1054 East Cantrell St., $66,069 Noted May 26.

Ia., Des Moines—Storm sewer in West 39th St., to G. T. Johnson, 220 East 5th St., $28,649. Noted Sept. 29.

Ia., Sioux City—Sanitary sewerage system Hedges addition north of Morningside Ave., 40,700 lin. ft. 8-10 in. pipe, to F. E. West, Sioux City, $70,000. Noted Aug. 18.

Minn., Austin—Main intercepting sewer and sewers in Bauman Ave., Dobbins and West Sts., 13,619 ft. 30-42 in. pipe and 50 manholes, to Gedney & Murphy, 212 Lumber Exch. Bldg., Minneapolis, $155,029. Award made conditional on city voting bonds Oct. 25. Noted Sept.

S. D., Mitchell—Lateral sewers in various streets, to Parrett & Tuttle, Mitchell, $30,000. Noted Aug. 18.

S. D., Tyndall—Complete sewerage system, 8-18 in. vitr. pipe and disposal tank, to W. B. Carter, Union Bank Bldg., Sioux City, Ia. $41,000. Noted May 12.

Bridges

PROPOSED WORK

Ill., Aurora—See "Miscellaneous".

Wis., Green Bay—W. Kerr city clk., takes bids after Oct. 15, 600 ft. double leaf steel bascule, 45 ft. wide, on Main St. Strauss Bascule Bridge Co., 225 North Michigan Ave., Chicago, engrs.

Missouri—State Highway Dept., Jefferson City, plans five 80 ft. pony truss steel span bridge over Logan Creek, State Aid Project 218.47 C. Reynolds Co. $30,671. A. Graham, state highway engr.

Col., Buttes—State Highway Dept., Denver, making plans steel truss bridge, concrete abutments and approaches, over Fountain River, here, $65,000. L. D. Brauvelt, State Museum Bldg., Denver, engr.

Washington—State Highway Comn., Olympia, plans 1,622 ft. steel and frame bridge over Snake River between Whitman and Garfield Counties. $250,000. J. Hamilton, Colfax, dist. engr.

BIDS DESIRED

N. Y., New York—Oct. 10, by G. A. Whalen, comr. Plant & Structures, Municipal Bldg., vehicular roadway on easterly upper deck of Manhattan Bridge.

Bridges (Continued)

N. J., Freehold—Oct. 19, by Freeholders Monmouth Co., Bridge Mn., 32, on Freehold-Englishtown Rd., Manalapan Twp. G. D. Cooper, 60 Broad St., Red Bank, co. engr.; adv. this issue.

Pa., Scalp Level—Oct. 11, by W. H. Lehman, boro. secy., or O. P. Thomas, engr., Park Bldg., Johnstown, rein.-con. floor and concrete rails on Highway Bridge, Main St., $25,000.

Fla., Valparaiso — Oct. 18, by A. P. Kastler, clk., 734 ft. pile bent timber bridge.

Kan., Salina—Oct. 25, by Salina Co., steel Pratt spans, concrete piers, abutments and floor, Project 44, Sect. E. $25,000. C. H. Cost, co. engr.

Oklahoma—Nov. 15, by E. S. Alderman, state engr., Oklahoma City, constructing 4 bridges in Muskogee Co. B. E. Clark, comr. of highways; adv. this issue.

Okla., Oklahoma City—Oct. 11, by Oklahoma Co., c/o B. C. Clark, comr., 160 ft. steel truss; 36 ft. wide, concrete piers and abutments, Federal Aid Project 19. $30,000. E. S. Alderman, c/o State Highway Dept., engr.

Wash., Pasco—Oct. 14, by T. O. Webster, secy. Benton and Franklin Inter Co. Bridge Co., Union Trust Co., 3 East Main St., Walla Walla, 3,236 ft. toll bridge across Columbia River between here and Kennewick, 20 ft. raodway. $400,000. M. M. Caldwell, c/o Union Bridge Co., Central Bldg., Seattle, ch. engr. Noted Sept. 22.

BIDS RECEIVED

North Carolina—State Highway Dept., at div. office, Asheville, rein.-con. bridges and culverts on State Project 557, Madison Co., from O'Brien Constr. Co., Balsam, $64,682; E. T. Belote & Co., Asheville, $66,066; Porter & Peck, Greenville, $66,631. Noted Sept. 8.

S. D., Yankton—Yankton Co., bridge on Yankton—Salem Rd., Federal Aid Project 77, from Lamoreaux Bros. Co., 805 Brandeis Theater Bldg., Omaha, Neb., $28,205; D. D. Bidwell, Eagan, $28,294.

Que., Montreal—For steel bridge on Sherbrooke St., E., from A. Leduc, 351 Christophe Colombe St., $144,100; J. Quilnlan & Co., 1165 Green Ave., $149,983; A. Gratton, 142 5th Ave., $153,889. Noted Sept. 8.

CONTRACTS AWARDED

Ark., Harrison—Rd. Impvt. Dist. 1, 135 ft. bridge across Crooked Creek, 90 ft. steel span with 45 ft. wood approaches. Former bids rejected, work will be done by day labor. In market for steel span. W. H. Cecil, secy.

Railways

CONTRACTS AWARDED

Massachusetts—Comrs. Hampden Co., 1,000 ft. double steel railway tracks on new Connecticut River Bridge from Springfield to West Springfield, to H. P. Converse & Co., 88 Broad St., Boston, $29,220. Noted Sept. 22.

Excavation and Dredging

PROPOSED WORK

Ia., Council Bluffs—Excavation—Pottawattamie Co., rejected bids opened Sept. 15, excavating 17 mi. old creek channel, Allen Creek D. D., 315,000 cu.yd. $30,000. Noted July 28.

Minn., Waseca—Ditch—Waseca Co. rejected bids opened Sept. 20, for Co. Ditch 15, Main 2. $78,127. G. Cox, Waseca, engr. Noted Sept. 8.

BIDS DESIRED

Ia., Des Moines—Drainage—Oct. 11, by C. W. Rhoades, aud. Polk Co., 14,500 ft. 8-20 in. tile, D. D. 36, $30,000. F. O. Laing, 2016 Washington Ave., engr.

Ia., Waukon—Excavation—Oct. 12, Bd. Supervs. Allamakee Co., new channel upper Iowa River, D. D. 1, from station 0-10 to station 338, 414 238 cu.yd. excav. C. A. Palmer, aud.

Minn., Stillwater—Ditches—Oct. 17, by Washington Co., Judicial Ditch 5, main drain and branch 1, 16,570 ft. 8-20 in. tile, $14,894; Judicial Ditch 6, 7,965 cu.yd. excav., 6,040 ft. 14-24 in. tile $12 050; Judicial Ditch 7, main drain and branches 1, 2 and 3, 15,619 ft. 8-15 in. tile, $12,024. J. F. Kilty, aud. Noted Aug. 4.

CONTRACTS AWARDED

Minn., Crookston — Ditch — Polk Co., Ditch 140, 314,461 cu.yd. excav., 12.5 mi. road leveling, 2,200 lin.ft. 36 in. tile, etc., to Union Drainage Co., Crookston, $43,265, bridges, to C. E. Winberg, Hillsboro, N. D., $6 079, pipe culverts, to North Dakota Metal Culvert Co., 501 4th St., Fargo, N. D., $1,861; Co. Ditch 143, 86,861 cu.yd. excav., to Union Drainage Co., Crookston, $11,469, bridges and culverts, to P. H. Gramer, Crookston, $5,308; Co. Ditch 144, excav., road work, etc., to Union Drainage Co., Crookston, $11,162, bridges, to C. E. Winberg, Hillsboro, N. D., $4,957, culverts to North Dakota Metal Culvert Co., 501 4th St., Fargo, N. D., $1,093.

Wyo., Cowley—Drainage—Cowley D. D., 5 mi. open drain ditch, 135,000 cu.yd. excav., 56,170 lin. ft. 10-15 in. tile and 69 manholes, to C. W. Taggart, Lovell, and Snyder Bros., Cowley. Total cost $152,000. Noted Sept. 29.

Streets and Roads

PROPOSED WORK

Mass., Chicopee—Plans paving Meadow St. $25,000. F. P. Cobb, city engr.

Pa., Philadelphia—Plans extending Delaware Ave. north of Laurel St., demolishing buildings, widening street, paving, curbing, sidewalks, etc. $500,000. F. C. Dunlap, 216 City Hall, engr.

Pa., Phila.—Opens bids within year 1921 approaches to bridge over Delaware River including widening streets, condemning buildings and new paving. $1,050,000. F. C. Dunlap, City Hall, engr.

North Carolina—State Highway Dept., Raleigh, plans to clear, grub, grade, drain and surface 7 mi. road from Pollocksville to Onslow Co. line near Maysville, State Project 654, Jones Co., $50,000, 17 mi. State Project 655, Harnett Co., $85,000 14.3 mi. road from Raeford to Scotland Co. line, State Project 674, Hoke Co., $100,000, 15.5 mi. road from Southern Pines to Lee Co. line, State Project 673, Moore Co., $100,000, 12.2 mi. from Carthage to Pinehurst, State Project 672, Moore Co., $90,000, 27.2 mi. from Riedsville to Yanceyville via Lawsonville, State Project 667 Rockingham and Caswell Counties, $175,000; grade, drain and surface with penetration macadam 7 mi. from Madison to Stoneville, State Project 665, Rockingham Co., $50,000, 7.3 mi. from Stoneville to Virginia State Line, State Project 666, Rockingham Co., $90,000; grade, drain, bridge and topsoil 12.9 mi. from Sanford to Moore Co. line, via Jonesboro, State Project 661, Lee Co., $120,000, 9.8 mi. from Franklinton to Louisburg, State Project 662, Franklin Co., $90,000, 12.9 mi. from Hillsboro to Chapel Hill, State Project 663, Orange Co., $100,000; grade, drain and pave with some type of hard surface 7.5 mi. from Laurenburg to Maxton, State Project 675, Scotland Co., $300,000, 6.3 mi. from Henderson to Granville Co. line, State Project 658, Vance Co., $250,000, 11.8 mi. from Roxboro to Durham Co. line, State Project 657, Person Co., $405,000, 4.5 mi. from Oxford to Vance Co. line, State Project 659, Granville Co., $175,000, 8.7 mi. from Person Co. line to within 9 mi. of Durham, State Project 660, Durham Co., $325,000; grade, drain, surface and bridge 7 mi. from Aberdeen to Richmond Co. line, State Project 669, Moore Co., $70,000, 9.9 mi. Raeford to Robeson Co. line, State Project 671, Hoke Co., $80,000; grade, drain and surface 5 mi. from Warrenton to Liberia, State Project 556, Warren Co., $40,000; clear, grub, grade, drain, bridge and hard-surface with concrete or some asphaltic type 12 mi. from Thomasville to Lexington, State Project 668, Davidson Co., $450,000. C. M. Upham, state highway engr.

N. C., Wilmington—Plans hard surfacing various streets. $200,000. J. H. Cowan, mayor.

Fla., Lake Wales—Plans street improvements, 200,000 sq.yd. paving. $500,000. J. W. Turner, Raymondo Bldg., Lakeland, engr.

O., Cincinnati—Rapid Transit Comrs. take bids after Oct. 9, grading, open cut work and paving Sect. 5, Rapid Transit Subway, 60,000 cu.yd. earth excav., 422 cu.yd. reinforced and 670 cu.yd. mass concrete, 2,500 sq.yd. brick paving and 770 sq.yd. concrete road. $125,000. F. Rashig, City Hall, subway engr.

Mich., Detroit—Had plans prepared resurfacing Leland St. from Brush to Beaubien Sts., 1,200 sq.yd. asphalt, Illinois Ave. from Brush to San Antoine Sts., 2,400 sq.yd. asphalt, Benson St. from Mt. Elliott Ave. to Beaufait St., 2,100 sq.yd. asphalt, Hazel St. from Harrison to Wabash Sts., 3,000 sq.yd. asphalt, Benson St. from Bellevue to Boulevard, 3,000 sq.yd. asphalt; grading and paving Lillibridge Ave. from Canfield to Shoemaker Aves., 4,584 cu.yd. excav., 5,800 lin.ft. Medina curbstone, 8,578 sq.yd. sheet asphalt on 8 in. concrete base. C. W. Hubbell, City Hall, city engr.

Ill., La Salle—Making plans paving 4th St., vitr. brick on concrete base. $26,000. E. Byrne, City Hall, engr.

Ill., Moline—Making plans paving 5th Ave. from 17th to 23rd Sts., vitr. brick on concrete base. $25,000. R. W. Penell, City Hall, engr.

Ill., Sesser—Plans 2½ mi. one course concrete sidewalks, 10,520 cu.yd. earth excav. and 451,488 sq.ft. sidewalk $163,157. C. B. Mautz, Benton, engr.

Ill., Waukegan—Lake Co. making plans paving 4.25 mi. Rand Rd., 18 ft. wide. $40,000. C. M. Powell, Waukegan, engr.

Ia., Des Moines — Making plans paving Rollins Ave., vitr. brick on concrete base. $30,000. K. C. Kastberg, city engr.

Ia., Shenandoah—Plans grading, paving and vertical curbing about 6 blocks, Sheridan Ave., portland cement, vertical fiber brick, asphaltic concrete, or vitr. brick. $28,000. F. H. Sanman, clk.

Missouri—State Highway Dept., Jefferson City, plans 3.78 mi. road from Edina northward and southward, State Aid Project 20.106, Knox Co., 29,431 cu.yd. earth excav., 4,571 cu.yd. borrow, 271 cu.yd. concrete. $26,228. A. Graham, state highway engr.

Mo., Maplewood—Will soon take bids paving Zypher Pl. $25,000. Former bids rejected. A. H. eBard, Chemical Bldg., St. Louis, engr. Noted Sept. 8.

Tex., Breckenridge—Stephens Co. making plans clearing, grubbing, grading, surfacing and draining 2.01 mi. State Highway 1, 19,510 sq.yd. 2 in. bituminous macadam, 62.12 cu.yd. Class A concrete, 8,677 lb. reinforcing steel, $71,799; 2 mi. State Highway 1, 14.4 acres clearing and grubbing, 15,063 cu.yd. borrow, 23,333 sq.yd. 2 in. bituminous macadam, 90.72 cu.yd. Class A concrete, 7,349 lb. reinforcing steel, 7,778 cu.yd. crushed stone, $86,742; 8.32 mi. Highway 1, 43,363 cu.yd. roadway and 1,462 cu.yd. solid rock excav., 2,013 cu.yd. Class A and 139 cu.yd. Class B concrete, 41,509 gal. asphaltic oil, 190,157 lb. reinforcing steel, 29,226 cu.yd. crushed stone surfacing, $322,477; 15.82 mi. State Highway 1, 44 acres clearing and grubbing, 2,296.6 cu.yd. Class A and 118.3 cu.yd. Class B concrete, 78,906 gal. asphaltic oil, 3,155 cu.yd. cover material, 244,920 lb. reinforcing steel, $453,033; 1.95 mi. Bankhead Highway, 9,376 cu.yd. borrow and 7,373 cu.yd. roadway excav., 80.9 cu.yd. Class A and 21.1 cu.yd. Class B concrete, 6,669 lb. reinforcing steel, 7,875 cu.yd. crushed stone, $91,200. Nagle-Witt-Rollins Eng. Co., co. engrs.

Tex., Canagdian—Hemphill Co. voted $50,000 bonds to grade, surface and drain state highways and lateral roads, sandclay and gravel. Hess & Skinner, Southwestern Life Bldg., Dallas, engrs.

Tex., Corsicana—Navarro Co., plans paving, .87 mi. State Highway 1, 16 ft. wide, concrete, Kerens Dist. $30,000. W. F. Hutson, Waco, state div. engr.

Tex., Dallas—Voted $1,250,000 bonds to pave various streets, bitulithic, bituminous concrete, etc. G. D. Fairtrace, city engr.

Tex., El Paso—Election Oct. 11, $240,000 bonds, street paving and improvements. W. C. Stewart, city engr.

Tex., Henrietta—Clay Co. election Oct. 18, $2,000,000 bonds, gravel surfacing and draining 70 mi. state and 50 mi. county highways. R. Loftin, co. judge.

Tex., Vernon—Wilbarger Co. election Oct. 29, $600,000 bonds; 6 mi. concrete road, gravel and sand clay roads, rein.-con. drainage structures. J. B. Naboro, co. engr.

Okla., Clinton—Will soon take bids paving 50 blocks, Benham & Mullergren, Firestone Bldg., Kansas City, Mo., consult. engrs. Noted Aug. 25.

Okla., Hooker—Making plans paving various streets, vitr. brick on concrete base. $34,000. Ruckel Eng. Co., Hutchinson, Kan., engrs.

Streets and Roads (Continued)

Okla., Mangum—Bd. Comrs. making plans paving Street Impvt. Dist. 2. $75,000. Benham & Mullergren. Firestone Bldg., Kansas City, Mo., consult. engrs.

Col., Buttes—State Highway Dept., Denver, making plans gravel road approaches to bridge across Fountain River, here. $45 000. L. D. Blauvelt, State Museum Bldg., Denver, engr.

Wash., Seattle—Making plans paving 6 blocks Railroad Ave. from Madison to Pike Sts., 66 ft. wide, wood blocks, on creosoted piling foundation. $140,000. A. H. Dimock, city engr.

Ore., Klamath Falls—Will take soon bids grading, curbing, building 6 in. concrete sidewalks and paving various streets with asphaltic concrete or bitulithic, $92,155; concrete, $96,755. D. J. Zumwalt, city engr.

Cal., San Diego—Receives bids latter part of November, paving, curbing, grading and laying lateral sewers, Newport Ave., Voltaire and De Foe Sts., Mission, West Pt. Loma and Pt. Loma Blvds., 491,259 sq.ft. Willite or asphaltic concrete, to be laid in two courses of 3 and 1½ in. respectively. $150,000. F. A. Rhodes, City Hall, engr.

BIDS DESIRED

N. Y., Long Island City—Oct. 18, by M. E. Connolly, pres. Queens Boro., 68 Hunterspoint Ave., regulating, grading and otherwise improving Jamaica Bay Blvd. from point 1,436 ft. south of center line of Sheridan Ave. to southerly U. S. bulkhead line of Jamaica Bay excluding those portions to be privately graded, etc., 4th and 5th Wards.

Pa., Ebensburg—Oct. 12, by R. C. Wertz, secy. Southmont Boro., or Controller Cambria Co., (Ebensburg), 7,403 ft. highway from Johnstown, 8th ward, to Millcreek Rd. S. E. Dickey & Co., 809 Johnstown Trust Bldg., Johnstown, engr.

Pa., Johnstown—Oct. 10, curbing, grading, laying sanitary and storm sewers and paving D St., also laying storm sewer and paving Middle Taylor Rd. from Iron St. to city line, vitr. brick on concrete base. $50,000. H. L. Wilson, City Hall, engr.

North Carolina—Oct. 10, by State Highway Comn., at div. office Wilmington, clearing, grubbing, grading, draining 7.64 mi. State Project 541, Pender Co., 14 acres clearing and grubbing, 109,000 cu.yd. common excav. and borrow, etc. $34,000. C. M Upham, Raleigh, engr.

North Carolina—Oct. 10, by State Highway Comn, Raleigh, grading, draining and paving 5.67 mi. State Project 601, Halifax Co., 37,500 cu.yd. common excav. and borrow, 2,800 cu yd. clay gravel sub-base, 59,930 cu.yd. penetration macadam, 380 cu. yd. Class A concrete, 35,310 lb reinforcing steel, etc., $120,000; 6.91 mi. State Project 558, Tyrrell Co., 13 acres clearing and grubbing, 93,200 cu.yd. borrow and drainage ditch excav., 14,230 cu.yd. topsoil, 7,895 sq.yd. concrete paving, 302 cu.yd. Class A and 99 cu. yd. Class B concrete, 30,220 lb. reinforcing steel, etc., $108,000. Noted July 7.

Florida—Oct. 20, by State Rd. Dept., Tallahassee, paving 9.89 mi. State Rd. 1, Federal Aid Project 24, between Lake City and Baker Co. line, Columbia Co., bituminous macadam on compacted rock base, $300,000. Alternate bids on concrete, grouted brick, asphaltic concrete, sheet asphalt and rock asphalt. J. A. Mortland, state engr.

Alabama—Oct. 26, by State Highway Comn., Montgomery, grading, draining and gravel surfacing 5.36 mi. Selma-Mobile Rd., between Catherine and Kimbrough, Mobile Co., 6 acres clearing and grubbing, 29,048 cu.yd. common excav., 12,455 cu.yd. gravel, 11,000 cu yd. additional ½ mi. haul, 184.84 cu.yd. Class A and 42.77 cu.yd. Class B concrete, 14,863 lb. reinforcing steel, etc. W. S. Keller, state highway engr.

Mich., Ionia—Oct. 11, by State Highway Dept. Lansing, grading and surfacing 9 mi. Assessment Dist. Rd. 352, Sects. 1-C and 2 Ionia Co., 84,440 sq.yd. gravel. F. F. Rodgers, Lansing, state highway comr.

Mich., L'Anse—Oct. 14, by State Highway Dept., Lansing, grading and surfacing 5.682 mi. State Aid Project 3, Sect. C-3, Baraga Co., 9 000 cu.yd. gravel. F. F. Rodgers, Lansing, state highway comr.

Ill., Waukegan—Oct. 10, at office C. E. Russell, Lake Co. supt. highways, Court House, grading and paving Rand Rd., Sect. S-15d; grading Lake Villa-Fox Lake Rd., Sect. V-15d; adv. this issue.

Ia., Adel—Oct. 10, by Auditor Dallas Co., grading 10.846 mi. roads east and west of Dallas Center, Primary Rd. Project 195, 69,955 cu.yd. excav.

Ia., Webster City—Oct. 12, by Hamilton Co., gravel surfacing 14 mi. primary road from here east to county line, 23,306 cu.yd. gravel; grading and draining 6 mi. road from Jewell south, 40,958 cu.yd. excav., 48,288 ft., 6 8-in. tile and 40 tile intakes. $28,000. H. Little, Webster City, engr.

Minn., Duluth—Oct. 28, by St. Louis Co., paving 6 mi. State Rd. 1, between Duluth and Northeastern Minnesota R.R., 65,000 sq.yd. concrete; surfacing 14 mi. State Rd. 1, from St. Louis Co. line to Central Lakes, 124,000 sq.yd. concrete. $222,000 and $518,000 respectively. R. W. Acton, Court House, engr.

Mo., Kansas City—Oct. 11, paving Wyoming St., vitr. brick on concrete base. $25,000. R. Waddell, City Hall, engr.

Okla., Ada—Oct. 11, by Bd. Comrs., paving Mississippi Ave. from Main St. to Frisco Railroad, concrete. Benham & Mullergren, Firestone Bldg., Kansas City, Mo., consult. engrs. Noted Sept. 15.

Okla., Okmulgee—Oct. 11, by Okmulgee Co., c/o G. E. Morton, clk., concrete paving 5.8 mi. Co. Rd. Project 2. $100,000. R. R. Tway, Okmulgee, engr.

California—Oct. 17, by State Highway Comn., Forum Bldg., Sacramento, paving with concrete 9.4 mi. highway between west boundary and 1 mi. north of Keystone, Tuolumne Co.; grading 2 mi. highway between west city boundary and Pine St. in Susanville, Lassen Co. A. B. Fletcher, state highway engr. Noted Sept. 22.

BIDS RECEIVED

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro., Queens Subway Bldg., regulating and paving Roosevelt Ave. from 5th St. to Junction Ave., 2nd Ward, from H. J. Mullen Contg. Co., Fulton St. and Twombly Pl., Jamaica, $70,547. A. A. Johnson Corp., Queens Blvd., $72,073, F. J. Clancy, $73.726; Roosevelt Ave. from Junction Ave. to angle point east of Alburtis Ave. from Cleveland Trinidad Paving Co., Flushing, $17,702, W. P. McDonald Constr. Co., 618 Union St., Brooklyn, $20,050, Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, $20,225. Noted Sept. 22.

Pa., Phila.—Paving (1) 7th and 10th Sts., (2) Meadow St., (3) 5th St. from South to Wharton Sts., (4) Urbana St., also 5th St. from Walnut to South Sts., (5) Thompson and 2nd Sts., (6) Ritner and 18th Sts., (7) Capitol, Dickenson, Tasker, Woodstock and 22nd Sts., (8) Cambria and 12th Sts., (9) Mountain, Pierce and Watkins Sts., (10) Venango St. (granite block), (11) Venango St., (asphalt), (12) Brandywine, Wallace and 27th Sts., (13) Ontario St., (14) Addison and Fulton Sts., (15) Allegheny, Hope, Madison and Miller Sts., (16) Master, Olive and 27th Sts., (17) Lawrence St., (18) D St., (19) Wyoming Ave., (20) Torresdale Ave., (21) Eleanor and Rockland Sts., (22) Limekiln Pike, (23) Park Ave., (24) Van Dike St., (25) 56th St., (26) Springfield Ave., (27) Marvine St., (28) Magee St., (29) 10th St., (30) 66th Ave., (31) Rector St., from Fish-Rutherford Inc., Real Estate Trust Bldg., (1) $25,972, (2) $5,314, (3) $29,983, (4) $25,968, (5) $16,976, (6) $22,988, (7) $22,763, (8) $44,968, (9) $21,742; R. Lombardi, Lincoln Bldg., (1) $25,862; Union Paving Co., 30th and Spruce Sts., (1) $24,697, (2) $5,291, (3) $29,138, (4) $25,348, (5) $16,300, (6) $21,233, (7) $19,400, (8) $41,872 (11) $9 322, (12) $22,971, (13) $26,836, (14) $3,944, (15) $10,023, (16) $29,024, (17) $35,762, (18) $14,965, (20) $63,033, (25) $6,982; United Paving Co., Colonial Trust Bldg., (2) $5,244, (5) $17,542, (9) $19,173, (13) $24,174, (27) $5,210; Ryan Constr. Co., Real Estate Trust Bldg., (3) $31,644, (4) $26,843, (8) $41,264, (10) $22,781; Eastern Paving Co., Colonial Trust Bldg., (6) $21,974, (11) $9,471, (12) $23,762, (14) $3,838, (15) $10,962, (16) $28,715, (17) $29,354, (18) $15,871, (19) $34,650, (20) $64,113, (21) $11,850, (22) $7,686, (23) $4,523, (24) $3,880, (25) $7,012, (26) $6,357; F. T. Buckins, Jr., Kensington and Deal Sts., (7) $21,160, (9) $18,215, (10) $24,652, (13) $25,692; J. J. McHugh, 1617 Race St., (10) $23,962; Barber Asphalt Paving Co., Land Title Bldg., (11) $9,688, (14) $3,876, (15) $9,373, (16) $29,605, (17) $32,250, (18) $13,620, (19) $34,760 (20) $65,973, (21) $12,274, (22) $7,952, (23) $4,797, (24) $3965, (25) $7,562, (26) $6,458; T. L. Flannigan, 1204 East Montgomery St., (12) $21,377, (28) $3,200; Mack Paving Co., Nicetown Lane and Chelten Ave., (19) $38,543, (21) $13,962, (22) $8.593, (23) $4.673, (26) $6 588, (27) $4,145; A. J. Anderson, Phila., (27) $6,872, (31) $5,116; Morrison & Meade, 4345 North 7th St., (28) $1,870; J. McCool, Phila., (28) $3,567; F. Mark Constr. Co., Commonwealth Trust Bldg., (29) $1,552; T. Connor, 3329 North 5th St., (29) $1,245, (30) $563; G. B. Wenner, Phila., (30) $588; D. McMahon, Germantown Ave., (29) $1,763, (30) $454; Centroni & Mezzola, Lincoln Bldg., (31) $5,473.

Pennsylvania—State Highway Dept., Harrisburg, opened bids Sept. 27, paving (1) 10,576 ft., (2) 15,067 ft., Armstrong Co., (3) 2,545 ft., (4) 7,015 ft., (5) 5,063 ft., (6) 5,919 ft., (7) 2,990 ft., Beaver Co., (8) 36,488 ft., (9) 29,308 ft., (10) 21,098 ft., (11) 20,438 ft., Butler Co., (12) 14,832 ft. Cameron Co., (13) 1,826 ft., (14) 9,604 ft. Chester Co., (15) 12,392 ft. Clarion Co., (16) 24,787 ft., (17) 18,161 ft., Crawford Co., (18) 2,999 ft. Cumberland Co., (19) 5,468 ft., (20) 1,635 ft., Erie Co., (21) 6,571 ft. Fayette Co., (22) 12,687 ft. Indiana Co., (23) 2,100 ft. Jefferson Co., (24) 22,538 ft. Lackawanna Co., (25) 3,220 ft. Lawrence Co., (26) 1,613 ft. Mifflin Co., (27) 826 ft. Schuylkill Co., (28) 14,071 ft. Westmoreland Co., (29) 1,279 ft. (30) 21,250 ft. Wyoming Co., from McNeil Co., 6120 Jenkins Arcade Bldg., Pittsburgh, (1) $99,210, (8) $320,900, (9) $239,749, (10) $180,956; Anderson Constr. Co., Parnassus, (1) $99,461; J. Herrmann, 1305 Jefferson St., Latrode, (1) $99,985; L. H. Hileman Constr. Co., 217-218 First Natl. Bank Bldg., New Kensington, (2) $144,700, (15) $123,866, (23) $21,591; Clark Constr. Co., Hastings, (2) $149,475, (15) $122,231; J. C. Devine Co., Alliance, O., (2) $152,841, (4) $71,916, (5) $56,457, (6) $54,406, (7) $33,264, (17) $152,143, (25) $54,796; S. B. Markley, 1301 Allegheny St., New Brighton, (3) $23,324, (6) $53,226, (7) $37,726; H. V. Kirker Co., 317-9th St., Beaver Falls, (3) $23,120, (4) $76,164; McLean Constr. Co., Bellaire, O., (4) $74,291, (6) $54,527; G. S. White Co., 7119 Jenkins Arcade Bldg., Pittsburgh, (5) $55,132, (7) $36,029, (28) $149,832; S. Gamble Co., Glass St., Carnegie, (8) $326,067, (16) $213,165; C. E. Walter, Butler, (8) $278,411, (10) $187,197, (11) $195,926; D. W. Challis & Sons, Inc., 420 Centennial Ave., Sewickley, (9) $236,744, Connell, Laub & Bracht, 808 North Main St., Dayton, O., (9) $221,202, (10) $161,511 (11) $199,348; Kavanaugh DeNiro Constr. Co., 407-408 Mahoning Bank Bldg., Youngstown, O., (11) $201,296; Miller Constr. Co., Punxsutawney, (12) $137.696; L. B. Wilson, 1514 Diamond St., Phila., (13) $31,813; V. Di Francesco, 17 Mifflin Ave., Lianarch, (13) $29,596; G. Metzger, Jr., Emporium, (12) $137,902; Smethport Constr. Co., 49 Main St., Union City, (12) $138,930; Dunleavy Bros., 9 Pennegar Bldg., Coatesville, (13) $31,419, (14) $70,608; B. Foster Co., 20th and Venango Sts., Phila., (14) $70,427, (16) $215,893; W. I. Pollock and W. C. Johnson, Downington, (14) $69.279; Minns Bros., 601-1st St., Dubois, (15) $128.229, (23) $21,798; McDermott & Hannon, Niles, O., (16) $217,894, (25) $52,510; Wester Bros., 76 East Indianola Ave., Youngstown, O., (17) $145,773; D. Schoentag, Meyersdale, (17) $141,171; Burgess & Dorrier, Scottsville, Va., (18) $24,193; Weller Constr. Co., 816-14th St. N. W., Wash., D. C. (18) $26,102; Bethlehem Eng. & Contg. Co., 307 Wilbur Trust Co. Bldg., Bethlehem, (18) $29,161; C. H. Fry Constr. Co., Erie, (19) $50,627; J. Roth, trading as Good Rds. Constr. Co., P. O. Box 524, Erie, (19) $54,000; E. M. Love & Son, Corry, (20) $29.170; Warren Bros. Co., 9 Cambridge St., Boston, Mass., (20) $27,924, (30) $230,687; Petriello Bros. & Co., 3 Snowden Bldg., Brownsville, (21) $73,551; Conmar Constr. Co., Fayette City, (21) $80,379; T. Arrigo, Charleroi, (21) $81,043; McClure & Bingner Co., 355 Market St., Johnstown, (22) $155,052; M. Bennett & Sons, Indiana, (22) $156,703; MacCrady Bros. Co., 328-6th Ave., Braddock, (22) $157,953; J. Weisner, St. Marys, (23) $20,279; F. J. Groman & Sons, Bethlehem, (24) $204,846; F. G. Fowler Constr. Co., Mt. Kisco, N. Y., (24) $200,000; Continental Contg. Co., Knickerbocker Bldg., Baltimore, Md., (24) $193,174, (29) $28,556, (30) $196,397; W. McIntyre Sons, Inc., Sharon, (25) $56,595; J. M. Hutchison, Greenwood Ave., Altoona, (26) $11,371; S. Hawke & Son, Lewistown, (26) $18,556; A. E. Laroche, Hamburg, (27) $29.134; J. Maguire, South 6th St., Mahanoy City, (27) $31,702; Gillespie & Franklin, 906 Crozier

Streets and Roads (Continued)

Bldg., Phila., (27) $31,548; Corrado & Galiardi, Colonial Natl. Bank Bldg., Connellsville, (28) $141,665; Penn Contg. Co., Carrolltown, (28) $150,570; Neymyer Bros., 1416 East 4th St., Bethlehem, (29) $33,189; R. D. Richardson Constr. Co., 828 Connell Bldg., Scranton, (29) $35,708; Clairborne, Johnston & Co., Inc., 910 Garrett Bldg., Baltimore, Md., (30) $234,593. Noted Sept. 15.

Virginia—State Highway Comm., Richmond, clearing, grubbing, grading draining and topsoiling (1) 8.29 mi. between Five Fork and Patrick Co. line, Virginia Aid Project 133 A, Henry Co., (2) 11.42 mi. between Gladys and Brookneal, Virginia Project 147, Campbell Co.; clearing, grubbing, grading and surfacing (3) 6.48 mi. between Milford Mills and Greenwitch, 12 ft. wide, macadam, Virginia Project 130, Prince William Co.; clearing, grubbing, grading, draining and paving (4) 3.45 mi. between Farmville and Prospect, concrete, Virginia Project 76 A, Prince Edward Co.; clearing, grubbing, grading, draining, surfacing and bridging (5) 12.9 mi. between Jacksons Ferry and Hillsville, macadam, Virginia Project 111, Carroll and Wythe Counties; grading, surfacing and draining (6) 3.5 mi. from New Market toward Luray, 12 ft. wide, macadam, Virginia Project 120, Shenandoah Co., (7) 1.78 mi. between Tinkers Creek and Cloverdale, macadam, Virginia Project 149, Botetourt Co., (8) 1.55 mi. between Norton and Big Stove Gap Rd., concrete, Virginia Project 131, Wise Co., (9) 4.42 mi. between Barbarsville and Green Co. line, Virginia Project 135, Orange Co., (10) 7.45 mi. between Galax and Woodlawn, Virginia Project 123, Carroll Co., from Jamison Bros., Rustburg, (1) $36,006, (2) $35,426, (5) $339,687; White & Simpson, Chatham, (1) $39,494, (2) $36,579; A. M. Francisco, Virgilina, (1) $40,625; Battershill & Goode, Virginia, (2) $35,161, (10) $113,087; Hyde & Baxter, 711 13th St., N. W., Wash., D. C., (3) $93,393; Raines Contr. Co., Bremo Bluff, (3) $103,213, (9) $59,486, (10) $122,203; L. R. Colbert, Fredericksburg, (3) $118,841; W. W. Buxley & Co., Roanoke, (4) $92,444; W. O. Burton, Richmond, (4) $98,923; A. W. McClay, 2400 Grove Ave., Richmond, (4) $99,593, (9) $54,001; Pace Constr. Co., Roanoke, (5) $300,154, (6) $72,479; Albert Bros., Shawsville, (5) $304,098; Lynchburg Constr. Co., Point-of-Rocks, Md., (6) $84,821, (7) $33,190; Vaughan & Griggs, Roanoke, (7) $30,085; Pendleton Constr. Co., Wytheville, (7) $31,798; J. P. Harvey, Lynchburg, (8) $69,656; C. S. Luck & Son, Brooke Rd., Richmond, (9) $50,943, (10) $124,680. Noted Sept. 1.

North Carolina—State Highway Dept., at div. office, Asheville grading, draining and surfacing 13.8 mi. State Project 557, Madison Co., from R. H. Wright & Son, Asheville, $176,841; O'Brien Constr. Co., Balsam, $192,146; R. E Martin, Mountain City, Tenn., $212,805. Noted Sept. 8.

O., Cleveland—Comrs. Cuyahoga Co. paving Lloyd Rd., 1,170 cu.yd. 6 in. concrete base, 3,820 cu.yd. earth excav. and 440 sq.yd. concrete wearing surface, etc., from Judson Constr. Co., Society for Savings Bldg., $39,285.

O., Cleveland—Paving Elbow Bassett Rd., from Highway Constr. Co., 903 Lorain Co. Bank Bldg., Elyria, asphalt, $94,739; Lake Erie Paving Co., Society for Savings Bldg., concrete, $105,096; Baldwin Bros., 4500 Euclid Ave., $105,537.

Mich., Detroit—For paving alleys 1390 (1) to 1398 (9) from T. E. Currie, 20 McGraw Bldg., (1) $8,079, (6) $7,334; Otis Cement Constr. Co., 806 Hammond Bldg., (4) $1,875, (5) $1,742, (8) $1,731, (4) $1,809, (5) $1,815, (6) $7,423, (7) $2,255, (8) $1,805; A. F. Lester, 309 Sun Bldg., (1) $7,322, (5) $1,607, (6) $7,174, (8) $1,598; DeLisle & Cooper, 402 Ford Bldg., (2) $4,781, (3) $3,217; R. J. Powelson, 6445 Iroquois Ave., (2) $4,781, (3) $3,202; Reading Corp. 413 West Fort St., (4) $1,894; F. H. Davis, 1838 Penobscot Bldg., (4) $1,875, (5) $1,742, (8) $1,731, (9) $1,960; F. Porath, Jr., 365 Free Press Bldg., (7) $2,220, (9) $1,870; G. Nunn, 6409 3d Ave., (7) $2,167, (9) $1,911.

Tex., Cameron—Milam Co. clearing, grubbing, grading, surfacing and draining 8.21 mi. State Highway 44, from Kurkendall & Shelton, Temple, $43,842; W. C. Moore & Sons, Halletsville, $45,842; W. T. Hutto, Hutto, $47,843. Noted Sept. 15.

Tex., Canton—Van Zandt Co., grading, surfacing and draining Dixie Highway, State Highway 15, from T. A. Griffin, Ft. Worth, $85,157; Boyd & Alvis, Winnsboro, $87,157; Womanck Constr. Co., Sherman, $87,162. Noted Sept. 22.

Tex., Crockett—Houston Co. clearing, grubbing, grading, sand clay surfacing and draining 13.73 mi. State Highway 21, from Smith Bros., Crockett, $125,596; Cook & Arrington, Crockett, $132,836; McClung Constr. Co., Cleburne, $130,887. Noted Sept. 15.

Tex., Hillsboro—Hill Co. grading, gravel surfacing and draining 26 mi. Colorado to Gulf Highway and Kings Trail Highway, 13,357 cu.yd. borrow, 146,256 sq.yd. gravel, etc., from Womack Constr. Co., Sherman, $54,389; Allhands & Davis, Wills Point, $55,480; Tibbetts Constr. Co., Box 179, Mineral Wells, $56,320.

Tex., La Grange—Fayette Co. gravel surfacing 11.27 mi. Highway 3, from Fayette Co., c/o J. P. Ehlinger, co. judge, La Grange, $81,058.

Colorado—State Highway Dept., Denver, gravel surfacing 3.158 mi. road between Craig and Hayden, Federal Aid Project 188, Moffat Co., from Hinman Bros., Kremmling, $24,761; Peterson, Shirley & Gunther, 737 1st Natl. Bank Bldg., Denver, $25,745; E. O'Neil, Craig, $26,654. Noted Sept. 22.

Utah, Ogden—Paving 4 blocks 25th St. and Tyler Ave., from Gilkerson Constr. Co., Ness Bldg., Salt Lake City, concrete, $57,950; P. J. Moran, Inc., 850 South 2d St. W., Salt Lake City, bitulithic, $59,320.

California—State Highway Comn., 515 Forum Bldg., Sacramento, paving 1 mi. highway between King City and Salinas River, (1) 1,000 cu.yd. excav., (2) 2,000 tons asphaltic concrete, from Grant Smith & Co., Flood Bldg., San Francisco, (1) $1.25, (2) $12.42, total $26,090; H. Crummey, 357 12th St., Oakland, (1) $2.75, (2) $13.90, total $30,550. Noted Sept. 8.

CONTRACTS AWARDED

R. I., East Providence (Providence P. O.)—Paving 5,200 ft. North Bway. on 4,400 ft. Massasoit Ave., bituminous asphalt, to J. McCormack & Sons, Taunton Ave., $80,083.

Connecticut—C. J. Bennett, state highway comr., 240 Farmington Ave., Hartford, 4,860 ft. 7 in. waterbound macadam highway in New Milford, 18 ft. wide, to Osborne & Barnes, Odd Fellows Bldg., Danbury, $29,224; 6,050 ft. 5 in. native stone macadam highway in Harwinton, 18 ft. wide, to Mascetti & Holley, 501 South Main St., Torrington, $16,709. Noted Sept. 22.

N. Y., Attica—Paving Main and Market Sts., rein.-con., to Oatka Eng. & Constr. Co., Warsaw, $61,000.

N. Y., New York—To Uvalde Asphalt Paving Co., 1 Bway., regulating and repaving 2nd Ave., etc., $3,044, East 70th St., $33,457, East 71st St., $33,457; to Asphalt Constr. Co., 2197 Madison Ave., Grove St., etc., $30,621, Haven St., $4,617; to W. J. Fitzgerald, 547 West 45th St., 5th Ave., $24,476. Noted Sept. 29.

N. J., West Hoboken—Paving 4 blocks Elm St. between Bergenline and Summit Aves., bituminous concrete, to T. A. Capone, Bergenline Ave. and Traphagen St., $31,450.

W. Va., Madison—Boone Co. grading, draining and surfacing 4 mi. Clothier-Sharples Rd., to A. Keathley, Cofoco, $63,779. Noted Sept. 15.

O., Cleveland—Paving East 135th St. from Kinsman Rd. to Abell Ave., 3,050 cu. yd. excav., 57,000 sq. ft. 5 in. brick on 6 in. concrete base, etc., to A. M. Pejsa Constr. Co., East 93rd St., $37,696; East 105th St. from Union Ave. to Aetna Rd., 2,140 cu.yd. earth excav., 4,125 sq.yd. brick on concrete base, etc., to Baldwin Bros., 4500 Euclid Ave., $27,229. Noted Sept. 8 and Aug. 18.

Mich., Mt. Clemens—State Highway Dept., Lansing, grading, draining and surfacing State Trunk Line Rd. 27-14, Macomb o., 9,341 cu.yd. excav., 12,437 sq. yd. concrete, to T. E. Currie, 20 McGraw Bldg., Detroit, $35,720.

Wis., Madison—Dane Co. Rd. and Bridge Com., gravel surfacing Middleton-Sauk City Rd., 15,000 sq.yd. gravel to Gunnison & Colvell, 2243 Division St., Madison, $25,350; Waterloo-Marshall Rd., 5,500 cu.yd. gravel, to G. Fitton & Son, 827 East Gorham St., $9,295.

Ia., Des Moines—Paving and resurfacing West 31st St., concrete and asphalt, to Wright Constr. Co., 211 Flynn Bldg., $25,000. Noted Sept. 15.

Ia., Des Moines—Paving Ingersoll Ave. from West 28th to West 38th Sts., sheet asphalt, to J. Horrabin & Co., 1422 Walnut St., $2.48 per sq.yd. Noted Aug. 18.

Ia., Eldora—Paving various streets 30,000 sq.yd. reinforced vibrolithic, 8,500 lin. ft. curb and gutter, to Dearborn Constr. Co., Waterloo Savings Bank B dg., Waterloo, $2.97 per sq.yd. Noted Sept. 15.

Minnesota—State Highway Dept., 920 Guardian Life Bldg., St. Paul, grading 6 mi. State Highway 10, between Cleveland and St. Peter, Le Sueur Co., 125,000 cu.yd. excav., to J. Sampson, Faribault, $0.22 per cu.yd. Noted Sept. 8.

Minn., Duluth—St. Louis Co., grading, grubbing and ditching 5 mi. State Rd. 35 between Hibbing and Chisholm, to E. F. Reemer, Hibbing, $73,988; 5 mi. State Rd. 3 between city limits and Carlton Co. line, to A. Guthrie & Co., 366 Jackson St., St. Paul, $64,981. Noted Sept. 22.

South Dakota—State Highway Comn., Pierre, grading and draining 19.98 mi. Yankton-Salem Rd., Federal Aid Project 77, 24 ft. wide, Yankton Co., to Lamoreaux Bros. Co., Brandeis Theatre Bldg., Omaha, Neb., $59,350. Noted March 3.

South Dakota — State Highway Comn., Capitol, Pierre, grading and draining 14.18 mi. roads, 24 ft. wide, Beadle Co., 94,168 cu.yd. excav., etc., to Dowd Bros. & Schreiber Eng. & Constr. Co., Watertown, $40,835.

S. D., Brookings—Brookings Co., grading 11 mi. De Smet-Brookings Rd., 114,449 cu. yd. excav., 45,481 cu.yd. overhaul, etc., to A. L. Larson Constr. Co., Sioux Falls, $41,599.

Wyoming—State Highway Dept., Cheyenne, gravel surfacing 10.3 mi. Glenrock-Douglas Rd., Federal Aid Project 74, 16 ft. wide, Converse Co., to Sharrock & Purcell, Portland, Ore., $54,515.

Montana—State Highway Dept., Helena, U. S. Forest Dept., and Ravalli Co., grading 15.28 mi. Skalkaho Rd. between Anaconda and Hamilton, Ravalli Co., to Clifton, Applegate & Toole, Anaconda, $172,177. Noted Sept. 15.

Montana—State Highway Dept., Helena, paving 6 mi. Yellowstone Trail, Federal Aid Project 82, Gallatin Co., 49,000 cu.yd. excav. and 67 644 sq.yd. bituminous macadam, to Pioneer Constr. Co., Bozeman, $188,022. Noted Aug. 18.

Mo., Jefferson City—Paving Madison Ave., vitr. brick on concrete base, to Pope Constr. Co., Jefferson City, $50,000.

Mo., Kansas City—Paving Jackson Ave., asphalt on concrete base, to J. Welch, 122 East Gillham Rd., $25,000.

Mo., St. Louis—Improving street, Letting 1237, brick and asphalt on concrete base, to Granite Bituminous Paving Co., Ry. Exch. Bldg., $27,387. Noted Sept. 8.

Mo., St. Louis—Paving alleys. Lettings 1212-1217 inc., vitr. brick on concrete base, to F. A. Stiers, 2267 South Kingshighway, $38,400. Noted Sept. 1.

Tex., Edinburg—Hidalgo Co. to W. L. Pearson Constr. Co., Houston, clearing, grubbing, grading, surfacing and draining 29.62 mi. State Highway 12, $168,407 does not include caliche surfacing to be furnished by county $9,200 nor 10 per cent for engineering and contingencies; 4.3 mi. State Highway 12, $25,291, does not include gravel surfacing to be furnished by county $30,000 nor 10 per cent for engineering and contingencies. Noted Sept. 29.

Wash., Seattle—Paving 43rd Ave., N. E., et. al., to J. L. Smith, Pioneer Bldg., $38,796; 11th Ave., N. E., et. al., to Fiorito Bros., New York Blk., $45,226. Noted Sept. 29.

California—State Highway Comn., Forum Bldg., Sacramento, paving 1.7 mi. Highway, Div. 4, Route 2, Sect. C between Gilroy and Carnadero Creek, Santa Clara Co., 3,850 cu.yd. Class A Portland cement concrete pavement, to R. J. Blanco, Vallejo, $6.25 per cu.yd., total $24,837; undergrade crossing of Northwestern Pacific Railroad, near Arnold, Div. 1, Route 1, Sect. G, Mendocino Co., (1) 265 cu.yd. Class C Portland cement concrete, (2) 4,500 cu.yd. excav., to California Constr. Co., San Rafael, (1) $18.95 per cu.yd., (2) $1.89, total $13,527.

California—State Highway Comn. 515 Forum Bldg., Sacramento, surfacing 6 mi. highway between southern boundary and Ceres, Div. 3, Route 4, Sect. A, Stanislaus Co., 7,200 tons asphaltic concrete, to J. A. Costello, Jr., 1083 Shotwell St., San Francisco, $49,176; 4.8 mi. highway between Fullerton and northern boundary, Div. 7, Route 2, Sect. F, Orange Co., 6,660 cu.yd. Class A Portland cement concrete, 2,670

Streets and Roads (Continued)

ton asphaltic concrete surface, 2.8 mi. to be paved with cement concrete and 2 mi. with asphaltic concrete, to Riley & Peterson, San Diego, $54,494; 4.2 mi. highway between Delhi and northern boundary, Div. 6, Route 4, Sect. D, Merced Co., 4,560 ton asphaltic concrete, to J. A. Costello, Jr., 1083 Shotwell St., San Francisco, $30,780; 10.7 mi. highway between East High Line Canal and New County Well, Div. 7, Route 27, Sect. A, Imperial Co., to G. H. Oswald, Los Angeles; 4.3 mi. highway between Perry and Morgan Hill, Div. 4, Route 2, Sect. B, Santa Clara Co., 4,700 ton asphaltic concrete, to H. Crummey, 357 12th St., Oakland, $41,830; grading 9.3 mi. highway between Fairville and eastern boundary, Div. 4, Route 8 Sects. A and B, Sonoma Co., to Healy-Tibbitts Constr. Co., 9 Main St., San Francisco. Noted Sept. 8 and 15.

Cal., Los Angeles—Bd. Pub. Wks., grading, oiling, rolling and laying sidewalks, curbs and gutters on Coringa Drive between Aves. 54 and 51, 3,819 lin.ft. cement curbing, 29,445 sq.ft. concrete gutter, 12,706 sq.ft. cement sidewalk, 77,544 sq.ft. waterbound macadam, to B. D. Baucus, 173 West 43rd St., $39,162; paving and laying curb and gutters on Hoover St. between Manchester and Slauson Aves., to Tryon & Brain, 201 Tajo Bldg., $174,303. Noted Sept. 29.

B. C., Penticton—Canadian Pacific Ry., Windsor St., Montreal, Que., grading 20 mi. extension of Kettle Valley Ry. from here to Oliver, to A. E. Griffin Co., Penticton, $100,000.

Industrial Works

PROPOSED WORK

Mass., Adams—H. C. Kaiser, Main St., soon lets contract 1 story, 70 x 100 ft., brick and concrete garage and service station, rein.-con. flooring, plain foundation, Main St. $40,000. Private plans.

Mass., Dedham—Dedham Motor Mart, Eastern Ave., soon lets contract 1 story, 80 x 130 ft., brick and concrete garage, rein.-con. flooring, plain foundation, Eastern Ave. $40,000. Private plans.

Pa., Phila.—Egnal & Motusan Bros., 3rd and Berks Sts., plan 2 story, 74 x 120 ft., brick and steel garage, rein.-con. flooring, plain foundation, Woodstock and Berks Sts. $70,000.

Pa., Phila.—C. Goldman, 725 Walnut St., having plans prepared by H. B. Weldon, archt., 10 South 18th St., and soon receives bids, 1 story, 54 x 200 ft. brick and steel garage, rein.-con. flooring, plain foundation, 406-408 South Front St., $60,000.

O., Cleveland—O. Uterhardt, 12203 Farrington Ave., had plans prepared 1 story, 40 x 90 ft. brick and steel garage, plain foundation, 3308 East 116th St. $40,000. Private plans.

Mich., Lansing—State Bd. Water and Electric Light Comrs. soon receives bids building power house. $5,000,000. Woodwell & Resler, 501-5th Ave., New York, archts. G. Aus, 244 Madison Ave., New York, engr.

Ill., Sterling—P. W. Kempster having plans prepared, 1 story, 50 x 142 ft. garage, brick and steel. $40,000. architects name withheld.

Wis., Hartford—Portz Malt & Grain Co. plans 50 x 90 ft. malt and grain plant. $100,000. J. Thorn, Hartford, engr.

Wis., Merrill—Merril Wood Products Co. plans 2 or 3 story, 60 x 100 ft. rein.-con., brick and steel factory, brick foundation, Main St. $50,000. Architect not selected.

Wis., Peshtigo—J. L. Chudacoff plans 2 story, 60 x 115 ft., knitting mill, rein.-con., brick and tile, brick foundation, Thompson St. $75,000. Architect not selected.

Ia., Oskaloosa — Plans hydro-electric power plant on Des Moines River, southwest of here. Project includes dam to furnish 4,000 h.p. T. H. Carlin, clk.

Kan., Parsons—Missouri, Kansas & Texas Ry., Ry. Exch. Bldg., St. Louis, Mo., plans 1 story, brick and steel reclamation plant. $166,000. A. L. Sparks, c/o owner, archt.

Mo., Kansas City—Superior Ice Co., c/o A. L. Williams, Lee Bldg., having plans prepared by B. B. Ryan, archt., c/o owner, 3 story, brick, stone and rein-con. plant, 2nd and Main Sts. $150,000.

Mo., St. Louis—J. Forshaw Stove & Heating Co, c/o J. Forshaw, pres., 111 North 12th St., plans 7 story, 25 x 100 ft., brick and rein.-con. factory, 109 North 12th St. $75,000. Architect not selected.

Mo., St. Louis—Polar Wave Ice & Fuel Co., c/o T. C. Muckermon, pres., Grand and Olive Sts., having plans prepared by H. G. Clymer, archt., Wainwright Bldg., 2 story, rein.-con., brick and steel plant, Gravois Ave. and Doolsey St. $500,000.

Utah, Salt Lake City—Utah Steel Corp. plans new blast furnace, sheet steel mill and additions to present mills. M. S. Rosenblatt, genl. mgr.

BIDS DESIRED

N. J., Mt. Holly—Oct. 20, by Folsom & Stanton, archts., 10 South 18th St., Phila., 1 story (ultimately 2 story) 100 x 200 ft. garage and service station, rein.-con., brick and steel, rein.-con. flooring, plain foundation, Washington and King Sts., here, for W. A. Jones. $70,000. Noted Sept. 22.

Pa., Harrisburg—Kaufman Underselling Store, 4 South 2nd St., receiving bids 3 story, 100 x 120 ft. concrete and brick storeroom building on Market Sq. $150,000. C. H. Lloyd, Suite 701-A, Telegraph Bldg., archt.

Pa., Phila.—Oct. 15, by A. Sabet, 3133 Frankford Ave., 1 story, 41 x 185 ft. brick and steel garage on Allegheny and Frankford Aves. $40,000. Private plans.

O., Cleveland — M. A. Gleason, 1625 Williamson Bldg., receiving bids 1 story, 90 x 109 ft., brick and steel garage, plain foundation, 6815 Superior Ave. $40,000. Private plans.

Wis., Milwaukee—Hanson & Phillips, Kinnickinnie and Logan Aves., receiving bids 1 story, 100 x 100 ft., brick and concrete garage, rein.-con. flooring, plain foundation, Kinnickinnie Ave. $40,000. Private plans.

Kan., Lawrence—Oct. 14, by Kansas University, 2 story, 63 x 110 ft., electric laboratory. $40,000. R. L. Gambell, 1415 Fillmore St., Topeka, archt.

Mo., Kansas City—Oct. 12, by G. Carmen, archt., Gumbell Bldg., 42 x 80 ft. ice plant, brick and steel, 20th and Washington Sts., for City Ice Co., 21st and Campbell Sts. $75,000.

Mo., St. Louis—Oct. 11, by St. Louis & San Francisco Ry., Frisco Bldg., 1 story, 40 x 123 ft., brick and steel machine shop, Chouteau Ave. Yards. $55,000. R. C. Stephens, c/o owner, archt.

BIDS RECEIVED

N. Y., Buffalo—J. N. Matthews Co., Washington and Exchange Sts., publishing house, Oak St., from Metz Bros. Co., 1295 Fillmore Ave., $385,000; White Constr. Co., 95 Madison Ave., New York, $394,500; Crooker and Carpenter, Niagara Life Bldg., $405,664. Noted Sept. 29.

Wis., Madison—University of Wisconsin, 1 story addition to service building and electric sub station, from Willis & Deason, Hayes Blk., Janesville, $64,711; J. Findorff & Son, West Wilson St., $66,366; Wisconsin Constr. Co., 639 West Wilson St., $74,575. Noted Sept. 8.

CONTRACTS AWARDED

Mass., Boston—H. Frank, 819 Shawmut Ave., will build 1 story, 75 x 221 ft., brick and concrete garage and store, rein.-con. flooring, concrete foundation Shawmut Ave. $50,000. Work will be done by day labor.

Mass., Northampton—F. Girard, King St., will build 1 story, 100 x 125 ft., concrete, brick and steel garage, rein.-con. flooring, plain foundation, North St. Work will be done by day labor. Noted Sept. 8.

Mass., Somerville—Masury & Young Co., 196 Milk St., Boston, 3 story, 36 x 75 ft. oil testing and storage building, rein.-concrete, brick and steel,, rein.-con. flooring, concrete foundation, to Natl. Eng. Corp., 60 Federal St., Boston, $40,000.

R. I., Providence—H. M. Howe Co., 417 Fountain St., 1 story 60 x 130 ft. factory with 40 x 50 ft., all brick and timber, plain foundation, Fountain St., to C. I. Bigney Constr. Co., 357 Westminster St. $40,000.

R. I., Woonsocket—Lafayette Worsted Co., Hamlet Ave., 6 story, 136 x 246 ft., brick and timber addition to factory, plain foundation, Hamlet Ave., to O. D. Purington Co., Industrial Trust Bldg., Providence.

Conn., Putnam—New York, New Haven & Hartford R.R., New Haven, 1 story, 45 x 170 ft., brick and timber roundhouse, rein.-con. flooring, plain foundation, at freight yards, here, to H Wales-Lines Co., 134 State St., Meriden.

Md., Baltimore—Western Maryland Dairy Co., Linden Ave., 4 story, 100 x 165 ft., rein-con. dairy on Linden and Dolphin Sts., to G. A. Fuller Co., Amer. Bldg. $500,000. Noted Aug. 25.

Pa., Allentown—M. & G. Co., 3 story, 134 x 156 ft. and 2 story, 50 x 112 ft., concrete, brick and steel factory, rein.-con. flooring, plain foundation, to W. Steele & Sons, 17th and Arch Sts., Phila., $500,000.

Pa., Phila.—F. W. Tunnell & Co., 15 North 5th St., rein-con., brick and steel plant, rein-con. flooring, plain foundation, Wheatsheaf Lane and Gual Sts., to Austin Co., Bulletin Bldg. $150,000.

Pa., Phillipsburg— S & S Shirt Co., 3 story, 60 x 150 ft., concrete, brick and steel factory, rein-con. flooring, plain foundation, to Turner Constr. Co., 1713 Samson St., Phila. $150,000.

O., Cleveland — City Ice & Fuel Co., Cadillac Bldg., 1 story 52 x 75 ft. ice plant, brick, steel and concrete, rein-con. flooring, plain foundation, Addison Rd., to Younger & Farmer Co., 1670 Crawford Rd., $100,000. Noted Sept. 22.

O., Uhrichsville—Uhrichsville Knitting Mills Co. 3 story, 70 x 114 ft., brick and concrete factory, to D. W. McGrath & Sons, New 1st Natl. Bldg., Columbus, $50,000.

Mich., Detroit—Harper Hospital, John R St. and Martin Pl., 1 story, 84 x 106 ft., rein.-con., brick and steel power house, rein.-con. flooring, concrete foundation, to E. Winters, 725 Detroit Savings Bank Bldg.

Ill., Cicero—J. M. Host, 64 x 125 ft., brick and steel garage, to Stellwagon & Zuelsdorf, 1583 Claybourn St., Chicago, $50,000.

Ill., Moline—Moline Daily Ditpatch, 1509 3rd Ave. A., 2 story, 50 x 140 ft. publishing plant, rein.-con. and brick, to A. Carlson & Son, 25th St. and 3rd Ave., $150,000. Noted Sept. 22.

Wis., Milwaukee—Waukesha Mills Co., 338 5th St., 2 story, 80 x 100 ft. warehouse, brick and concrete, rein.-con. flooring, plain foundation, 5th St., to E. Hahn & Son, 723 Prairie St., $40,000.

Wis., Wauwatosa—W. H. Schmidt & Sons Co., State St., 2 story, 60 x 70 ft warehouse, brick and wood, plain foundation, to Bennett Constr. Co., 403 Grand Ave., Milwaukee, $40,000.

Cal., Los Angeles—Angelus Sanitation Can Machine Co., 282 San Fernando Bldg. 1 story 90 x 160 ft. brick and steel factory, to Austin Co., 16112 Euclid Ave., Cleveland, O., $60,000.

Cal., Los Angeles—Swift & Co., 922 East 1st St., 1 story, brick and concrete addition to packing plant, to R. E. Milsap, Marsh-Strong Bldg., $52,000. Noted Aug. 25.

Que., Montreal—Bramsons Auto Service Ltd., Philips Sq., 6 story, 50 x 90 ft. rein.-con. garage on Ontrio St., to J. E. Wilder, 321 Bleury St., $100,000.

Que., Montreal—S. L. Contant, 590 Marie Anne St. E., 4 story, 100 x 108 ft. rein.-con. warehouse on Marquette St., to O. Archambault, 610 Park Lafontaine, $90,000.

Que., Montreal—Molsons Brewery, 906 Notre Dame St. E., to E. G. M. Cape & Co., 10 Cathcart St., 4 story, rein.-con., brick and steel brewery on Notre Dame St. E., $144,800; 6 story, 91 x 124 ft. rein.-con. warehouse on Voltiguear St., $119,000. Noted Sept. 29.

Buildings

PROPOSED WORK

Mass., Boston—Office—Flagg Estate, c/o Parker, Thomas & Rice, archts., 110 State St., having plans prepared, 8 story, probably brick, on Winter St.

Mass., Foxboro—Ward—Comn. Mental Diseases, 109 East State House, Boston, having plans revised by McLaughlin & Burr, archts., 88 Tremont St., Boston. 2 story, 50 x 180 ft., brick and steel, plain foundation, at State Hospital, here. $160,000.

Mass., Worcester — Theatre, etc. — A. Goodside, Fidelity Bldg., Portland, Me., plans brick and steel, here. $1,000,000. Desmond & Lord, 15 Beacon St., Boston, archts.

Buildings (Continued)

Conn., Hartford—School—South School Dist. having plans prepared by Whiton & McMahon, archts., 36 Pearl St., 2 story, concrete, brick and steel, Charter Oak Ave. $200,000. J. H. Naylor, 1 Main St., chn.

Conn., Hartford—Theatre, etc.—Park St. Investment Co., 274 Park St., opens bids about Oct. 11, 3 story, brick and steel, plain foundation, Park St. $175,000. E. T. Wiley, 75 Pratt St., archt. Noted July 7.

Conn., Waterbury—Y. M. C. A., 136 West Main St., plans 4 story, on West Main St. $400,000. Architect not announced.

N. Y., Brooklyn—Hospital—Bikur Cholim Hospital, Lafayette and Sumner Aves., plans 4 story, brick, steel and stone, concrete pile foundation, 810 Bushwick Ave. $1,000,000.

N. Y., Brooklyn — Synagogue — Temple Isaac Congregation, 1433 Bedford Ave., plans brick, steel and stone, concrete pile foundation, Prospect Pl. between Franklin and Classon Aves. $250,000. P. Kornsteen, chr. Architect not selected.

N. Y., New York—Apartment—H. O. B. Realty Co., c/o J. Boyland, archt. and engr., 120 East Fordham Rd., having plans prepared 5 story, 100 x 100 ft., brick, steel and stone, concrete pile foundation, 177th St. near St. Nicholas Ave. $250,000. W. R. Harvey, pres.

N. Y., New York — Apartments — C. Kreymborg, archt., and engr., 2534 Marion Ave., soon takes bids four 5 story, brick, steel and stone, concrete pile foundations, Bronx Park South from Vyse to Daily Aves. $175,000 each. Owners name withheld.

N. Y., New York—Turkish Bath and Store—Libbys Baths, Inc., 299 Bway., soon takes bids 6 story, brick, steel and stone, concrete pile foundation, Chrystie St. and Schiff Parkway. $1,000,000. B.H. and C.N. Whinston, 2 Columbus Circle, archts. and engrs.

Pa., Byberry (Phila. P. O.)—Hospitals—Takes bids within year, hospital for epileptics and one for mental diseases, $250,000 each P. B. Sinkler, City Hall, archt.

Pa., Norristown—Clubhouse—Norristown Club, c/o H. G. McMurtrie, archt., 1022 Walnut St., Phila., 3 story, 50 x 116 ft. brick and steel, Swede and Marshall Sts. $175,000.

Pa., Phila.—City Hall—Plans 16 story addition on Broad and Filbert Sts. $2,000,000. J. P. B. Sinkler, City Hall, archt.

Pa., Phila. — Hospital — Will take bids within year, hospital addition on 34th and Pine Sts. $780,000. P. B. Sinkler, City Hall, archt.

Pa., Phila.—Office and Hotel—Bd. Home Missions of Methodist Church, 17th and Arch Sts., plans 8 story addition to present 6 story building, also 14 story, 25 x 160 ft. addition, $1,500,000.

Md., Baltimore—Business—Hynson, Wescott & Dunning, Charles and Franklin Sts., plan 3 story, brick and stone, Charles St. $150,000. H. Sill, 11 East Pleasant St., archt.

Md., Baltimore—Hotel—Belvedere Hotel plans 11 story, 500 rooms, stone addition on Charles and Chase Sts., H. Consolvo, prop. Parker, Thomas & Rice, Union Trust Bldg., archts.

Md., Westminister—High School—School Bd. having plans prepared by B. E. Starr, archt., Spooner Bldg., Harrisburg, 2 story, 80 x 160 ft., rein-concrete and brick. $175,000. M. Unger, supt.

N. C., Charlotte—Exposition—Carolina Exposition Co. Inc., plans exposition building. $200,000. Architect not selected.

N. C., Greensboro—Store—Huntley-Stockton-Hill Co. plans 6 story. $150,000. Architect not selected.

N. C., Raleigh—School—Election soon $750,000 bonds for 3 or 4 schools. T. B. Eldridge, mayor.

Ky., Richmond—School—C. C. and E. A. Weber, archts., 3rd and Walnut Sts., Cincinnati, O., soon take bids 3 story, 87 x 197 ft. and 51 x 58 ft., brick, steel, concrete and cut stone, rein.-con. flooring, for Bd. Educ. $150,000.

O., Canton—Office—City and Stark Co. plan 10 story, Cleveland St. and 2d St. S. W., $500,000. McClaskey & Reese, Valentine Bldg., engrs.

O., Cleveland—School—Bd. Educ., East 6th St. and Rockwell Ave., having plans prepared by W. R. McCornack, archt., East 6th St. and Rockwell Ave., 2 story, brick, steel and concrete addition, rein.-con. flooring, plain foundation, Scranton Rd. $150,000.

O., Columbus—Hospital—State appropriated $240,500, hospital for feeble minded, including laundry and shops. Bldg.

O., Dayton—Apartment—E. D. Woodward Co. having plans prepared by F. J. Hughes, archt., 406 U. B. Bldg., 5 story, brick, rein.-con. and terra cotta, rein.-con. flooring, concrete foundation, Far Hills Ave. $150,000.

O., East Liverpool—High School—Plans election $200,000 bonds for 3 story. C. C. and A. L. Thayer, Mercantile Bldg., New Castle, Pa., archts.

O., Salem—Temple—Thayer & Johnson, archts., 5716 Euclid Ave., Cleveland, take bids about Nov. 10, 3 story, 50 x 125 ft., brick, steel and concrete, rein-con. flooring, plain foundation, here, for Masonic Temple Bldg. Co. $150,000. Noted July 28.

Ind., Elkhart—Hotel—Nicols & Hoffman, archts., Lafayette, soon let contract 8 story, 40 x 60 ft., steel and brick, rein.-con. flooring, concrete foundation. $500,000. Owners name withheld.

Mich., Ann Arbor—Dormitory—University Land Co., c/o S. E. Remey, archt., 503 Whitney Bldg., Detroit, had plans prepared 4 story, 60 x 185 ft. rein.-con., brick and steel, concrete foundation, Huron St. $350,000.

Mich., Ann Arbor — Temple Masonic Lodge, c/o Rosseau & McConkey, archts., 106 Liberty St., plans 4 story, 80 x 132 ft., concrete, brick and steel, concrete foundation. $200,000.

Ill., Alton—City Hall—Having plans prepared by L. Pfeiffenberger's Sons, archts., Alton, 2 story, rein-con., brick, stone and steel. $175,000. G. Davis, Chn.

Ill., Aurora—See "Miscellaneous."

Ill., Chicago—Apartment—Hotel—D. Olmsted, 1496 Marlo Ave., Cleveland, O., having plans prepared by H. L. Stevens & Co., archts. and engrs. 30 North Michigan Ave., Chicago, 8 story, rein-con., brick and steel, rein-con. flooring, on North State and Goethe Sts. $2,000,000.

Ill., Evanston—Apartment—C. Lovegren, c/o J. N. Nyden, archt., 190 North State St., Chicago, having plans prepared 3 story, 82 x 125 ft., rein.-con., brick and stone. $150,000.

Ill., Manteno—School—Bd. Educ. having plans prepared by A. L. Pillsbury, archt., Peoples Bank Bldg., Bloomington, 2 story, rein.-con., brick and steel $150,000. C. Luther, supt.

Ill., Moline—Theater—F. L. Cornwall, La Salle Bldg., St. Louis, Mo., having plans prepared 1 story, 69 x 160 ft., rein.-con., brick and stone, here. $200,000. Architect's name withheld.

Ill., Momence—High School—Bd. Educ. plans 2 story, rein-con., brick and stone. $150,000. M. Youke, clk. Architect not selected.

Wis., Baraboo—Business—H. B. Trimpey, Baraboo, plans 2 story, 60 x 85 ft., rein.-con., steel and brick, rein.-con. flooring, brick foundation, Main St. $150,000. Architect not selected.

Wis., Cedarburg—Gymnasium and Community—St. Francis Borgia Congregation having plans prepared by Herbst & Kuenzli, archts., 114 Grand Ave., Milwaukee, 1 and 2 story, 60 x 100 ft., brick and concrete rein.-con. flooring, plain foundation. Cost between $100,000 and $150,00.

Wis., Madison—Hotel—W. R. McNeil, Capitol Hotel, 206 King St., having plans prepared by W. W. Ahlschlager, archt., 65 East Huron St., Chicago, 6 story, rein.-con., brick and steel, rein-con. flooring, plain foundation, on shore of Lake Merdota. $750,000.

Wis., Milwaukee — Auditorium, etc. — Amer. Luthern Assn., 275 11th St., plans 3 story, 50 x 130 ft. brick and concrete, rein.-con. flooring, plain foundation, 11th and State Sts. $150,000. Achitect not selected.

Wis., Milwaukee — Commercial — G. A. Butler & Co., 603 Mitchell St., plans 2 story, 250 x 260 ft., brick and concrete, rein.-con. flooring, plain foundation, on Mitchell St. Cost between $150,000 and $175,000. Architect not selected.

Wis., Neenah—Bank and Office—Natl. Manufacturers Bank having preliminary plans prepared by Childs & Smith, archts., 64 East Van Buren St., Chicago, 2 story, brick, concrete and stone, rein.-con. flooring, plain foundation. $150,000. Noted Apr. 21.

Wis., Sheboygan — Theatre — E. Hoefer, Prop. Rex Theatre, 710 North 8th St., plans 2 or 4 story, 50 x 120 ft., rein.-con. and brick, rein.-con. flooring, concrete foundation, Ontario and 8th Sts. $200,000. Architect not selected.

Wis., Wausau—Hospital—D. L. Plumer Hospital, and Berlin, Swern & Randall, archts., 19 South LaSalle St., Chicago, takes bids later part of October, 4 story, brick, tile and concrete, rein-con. flooring, plain foundation. $300,000. Noted Sept. 1.

Wis., Wausau—School—Bd. Educ., c/o S. B. Toberg, sup., plans 4 story, 60 x 200 ft., rein.-con., steel and brick, brick foundation, Main St., $200,000. Architect not selected.

Ia., Fairfield—Church—Methodist Church Congregation rejected bids opened Sept. 15, 3 story, 66 x 132 ft., brick, steel and concrete. $150,000. Work will be readvertised. G. A. Carpenter, Liggett Bldg., archt. Noted Sept. 1.

Ia., Ottumwa—J. Morrell & Co. having plans prepared by Henschein & McLaren, archts., 37 West Van Buren St., Chicago, 4 story, 102 x 182 ft. factory, and 4 story, 52 x 55 ft. smoke house, rein.-con., brick and steel. $500,000.

Ia., Sioux City—Temple—Scottish Rite Temple, c/o J. R. Carter, secy., Natl. Bank Bldg., having plans prepared by H. Holmes, archt., 151 East Chicago Ave., Chicago, 4 story, 140 x 254 ft., brick, stone and steel, rein-con. flooring. $1,500,000

Minn., Minneapolis—Hospital—A. A. O. N. M. S., Bd Trustees, c/o O. M. Lanstrum, 802 Madison St., Helena, Mont., member building comn., having plans prepared by Betrand & Chamberlin, 616 Northwestern Bank Bldg., Minneapolis, and Beuchner & Orth, 500 Shubert Bldg., St. Paul, archts., for main hospital, administration building, nurses home, etc., 2 story, brick and stone, on East River Blvd. between Franklin Ave. and Chicago, Milwaukee, St. Paul R.R. tracks. $175,000.

Minn., Minneapolis—Sanatorium—Minneapolis Sanatorium Co., 1508 Harmon Pl., soon receives bids for superstructure, 4 story, 98 x 128 ft., stone and brick, on Yale Pl. and Willow St. $200,000. Basement and first floor slab, to J. Leck Co., 316 South 7th St., $27,000. Noted June 30.

Minn., Stillwater—School—Plans election 225,000 bonds, 3 story, rein-con., brick, tile and stone. A. J. Holm, clk. Architect not announced.

Kan., Wichita—Home—Salvation Army, 122 South Lawrence St., having plans prepared by L. Schmidt & Co., archts., 121 North Market St., 3 story, 80 x 112 ft. brick and rein.-con. $150,000.

Kan., Wichita — Temple-Shrine — Temple Assn., c/o C. Drake, plans 4 story, brick, stone trim, rein.-con. or steel. $500,000. Architect not selected.

Kan., Winfield—Church—Holy Name Roman Catholic Church, c/o J. J. Grady, chn., having plans prepared by C. A. Smith, archt., Salina 2 story, brick, stone and steel. $150,000. Noted Sept. 8.

Mo., Kansas City—Hospital, etc.—Election Nov. 22, $500,000 bonds for negro school, also $100,000 nurses home at general hospital, $500,000 armory, $140,000 various fire department buildings, $150,000 to improve municipal farm buildings and $200,000 bath houses in 9 different locations.

Mo., St. Joseph—Hospital—State Hospital 2, c/o A. Fitzsimmons, secy., Jefferson City, having plans prepared by Siemens & Arnold, archts., Bartlett Bldg., St. Joseph, 3 story, brick and stone, here. $221,000. Noted May 19.

Okla., Oklahoma City—Bank—Federal Reserve Bank having plans prepared by Graham Anderson, Probst & White, archts., 80 East Jackson Blvd., Chicago, 4 story, rein.-con., brick, stone and steel. $500,000.

Ont., St. Thomas — Hospital — Election Nov. 11, $160,000 bonds, addition to hospital, Pearl St. Address J. H. Doherty, City Hall.

BIDS DESIRED

Conn., Middletown—Ward—Oct. 17, by Connecticut Hospital for Insane, South Farms, 2 story, 100 x 235 ft. rein.-con., brick and steel, rein.-con. flooring, plain

Buildings (Continued)

foundation, at hospital. $325,000. D. K. Parry, 27 West Main St., New Britain, archt.

Pa., Harrisburg — Bank — Penn-Harris Trust Co., receiving bids 3 story, 80 x 109 ft. concrete terra cotta and brick, Locust and 3 rd Sts. $150,000. Lawrie & Lappley, 206 Market St., archts.

N. J., Atlantic City—Hotel—Oct. 15, by Marshall & Pennell, engrs., 1310 Arch St., Phila., 5 story, 30 x 75 ft., terra cotta and marble addition, rein.-con. flooring, plain foundation, Virginia Ave. and Beach, for P. F. Cope. $200,000. W. M. Stanton, 1310 Arch St., Phila., archt.

N. J., East Orange—High School—Oct. 8, by Bd. Educ. 1 story, brick and stone, Winan St. $200,000. Guilbert & Bettelle, 2 Lombardi St., Newark, archts. and engrs. Noted March 17.

N. J., Trenton—Church—Oct. 12, by C. W. Bolton & Son, archts., Witherspoon Bldg., Phila., 2 story, 70 x 70 ft., cut stone and steel, rein.-con. flooring, plain foundation, for Pilgrim Presbyterian Church. $160,000.

Wash., D. C.—High School—Oct. 26, by Dist. Comrs., 509 Dist. Bldg., High School 176, complete. C. H. Rudolph, comr.; adv. this issue.

N. C. Raleigh—Institute—Oct. 25, by R. S. Busbee, chn. State School for Blind, addition to administration building, 3 cottages, boiler house, laundry tunnels connecting buildings, and residence for superintendent, on campus, here. $200,000 J. A. Salter, Commercial Bank Bldg., archt. Noted July 28.

O., Cincinnati—School—Oct. 24, by Bd. Educ., 7th and Race Sts., 3 and 2 story, 86 x 163 ft. and 53 x 95 ft. concrete, brick, terra cotta and cut stone rein.-con. flooring Madison Rd. $500,000. S. Hannaford & Sons, 6th and Vine Sts., archts.

O., Cleveland — Hotel — P. Matzinger, archt., Caxton Bldg., receiving bids 6 story, 40 x 170 ft., brick, steel and concrete, rein-con. flooring, plain foundation, 1112 Prospect Ave., for W. J. Cutler Bath Co., Public Sq. $300,000. Noted Aug. 25.

O., Columbus—School—Oct. 24, by Bd. Educ., Town and High Sts., 2 story, 130 x 170 ft., brick, steel and concrete, Poplar Ave. $200,000. H. D. Smith, town and High Sts., archt. Noted July 14.

O., Lakewood (Cleveland, P. O.)—Commercial—Lehman-Schmitt Co., archts., Electric Bldg., Cleveland, receiving bids 5 story, 40 x 132 ft., brick and steel, plain foundation, Detroit and Ridgewood Aves., here, for Schmitt Realty Co., c/o architects. $150,000.

O., Lorain—High School—Oct. 20, by Bd. Educ., 2 story, 12 room, brick, steel and concrete, rein.-con. flooring, plain foundation, East 31st St. and Seneca Ave. $250,000. F. C. Warner, 767 Hippodrome Annex Bldg., Cleveland, archt. Noted May 5.

O., Toledo—School—Oct. 19, by Bd. Educ., Administration Bldg., 3 story, 251 x 344 ft., rein.-con. and brick, rein.-con. flooring, plain foundation, on South Side. Cost to exceed $1,000,000. E. M. Gee, c/o Bd. Educ., archt. Noted Sept. 2.

Mich., Detroit—Hospital—Oct. 15 by C. Freiburger, secy. Bd. Health, 1415 St. Antoine St., 3 story, brick, tile and rein.-con. addition, rein.-con. flooring, concrete foundation, Hamilton Blvd. and Blaine Ave. $300,000. A. Kahn, 1000 Marquette Bldg., archt.

Kan., Kansas City—Church—Oct. 15, by C. A. Smith, archt., Finance Bldg., 3 story, brick, stone, rein-con. and steel, 12th and Cleveland Sts., for Western Highland Presbyterian Church c/o C. E. Alexander, pastor, 2416 North 12th St. $160,000.

Neb., North Platte—Court House—Oct. 11, by Lincoln Co., c/o A. S. Alden, clk., 3 story, 70 x 112 ft., rein-con. brick, stone and tile. $200,000. G. Berlinghof, Orpheum Bldg., Lincoln, archt. Noted May 12.

Mo., St. Louis—College—Oct. 19, by H. P. Hess, archt., 4811 Cote Brilliant Ave., 3 story, 172 x 248 ft., rein.-con. and brick, Clayton Rd. and University Lane, for Christian Brothers College. $500,000. Noted June 30.

Cal., Los Angeles—Hospital—Oct. 17, by Bd. Supervisors. Los Angeles Co., 3 story, 156 x 158 ft., rein.-con., brick and stone, rein.-con. flooring, concrete foundation. $300,000. W. Davidson, Mechanical Dept., Hall of Records, archt and engr.

Cal., Santa Ana—Jail—Nov. 1, by Bd. Supervs. Orange Co., 4 story, 100 x 125 ft., rein.-con., steel, marble and tile, rein.-con. flooring, concrete foundation. $100,000. J. and D. Parkinson, 420 Title Insurance Bldg., Los Angeles, archts.

BIDS RECEIVED

Mass., Hull—Fire and Police Station—Bldg. Comm. opened bids Sept. 27, 3 story, 52 x 118 ft. and 60 x 90 ft., brick and stone, concrete foundation, Atlantic Ave., from S. C. Sperry Co., Main St., Cambridge, $164,274 J. Nicholson & Son, 101 Tremont St., Boston, $165,203; T. D. O'Connor, Cambridge, $165,230. Noted Sept. 1.

N. J., Atlantic City—High School—Bd. Educ. 3 story, (1) general construction, (2) plumbing work, (3) heating and ventilating, (4) electrical work, from J. R. Wiggins Co., Inc., 18th and Cherry Sts., Phila., (1) $988,165; Wark & Co., 231 South Broad St., Phila., (1) $1,087,444; Melody, Michael & Sons, 15th and McKean Sts., Phila., (1) $1,105,579; N. Connolly Co., 1404 North 18th St., Phila., (2) $66,000; Currie Co., Atlantic City, (2) $75,389; E. H. Moore Co., 102 York St., Jersey City, (2) $77,960, (3) $255,141; J. H. Cooney, 210 North 4th St., Harrison, (3) $249,480; E. Yetter, Atlantic City, (3) $267,900; G. Woodward, Jr & Co., 1723 Sansom St., Phila., (4) $26,738; Watson Flagg Eng. Co., 120 Liberty St., New York, (4) $27,441; W. J. Coleman, 29 Willow Court, Jersey City, (4) $34,884. Noted March 31.

Mich., Detroit — Recreation — Recreation Comn., 540 Elmwood Ave., 2 story, 140 x 140 ft., rein-con., brick and steel, rein-con. flooring, concrete foundation, Atkinson Park, from A. J. McLean Co., 302 Holden Bldg., $135,546; Corrick Bros., 507 Owen Bldg., $141,974; Culbertson & Kelley Co., 872 Milwaukee Ave., $146,540.

CONTRACTS AWARDED

Mass., Boston—Office—G. W. Harvey, 99 Chauncy St., will build 12 story, brick and steel, rein-con. flooring, concrete foundation, Chauncey St. $450,000. Work will be done by day labor.

Mass., Malden—Theatre—Ideal Theatre Co., 1 story, 66 x 220 ft., brick and tile, rein.-con. flooring, concrete foundation, Pleasant and Abbott Sts., to J. M. and C. S. Buckley Co., 164 Federal St., Boston, $175,000.

Mass., Methuen—School—School Comn., 3 story, 60 x 140 ft. with 45 x 60 ft. ell, brick and steel, rein-con. flooring, plain foundation, Orchard St., to C. H. Cunningham & Sons Co., 23 Central St., Lynn. $225,000. Incorrectly noted Sept. 15.

R. I., Howard—Hospital—Penal & Charitable Comn., State House, Providence, brick and timber ward, plain foundation, to C. B. McGuire, 10 Weybosset St., Providence. $146,346. Noted Sept. 29.

Conn., Torrington—Y. M. C. A., 113 Main St., 3 story, 106 x 143 ft., rein.-con., brick and steel, rein.-con. flooring, plain foundation, Prospect St., to Torrington Bldg. Co., 197 Water St. $250,000. Noted June 16.

N. Y., Brooklyn — Apartment — Milboro Bldg. Corp., 1466 49th St., 4 story, brick, steel and stone, concrete pile foundation, Regent Pl. and East 21st St. $250,000. Work will be done by day labor. Seelig & Finkelstein, 44 Court St., archts. and engrs.

N. Y., Herkimer—Schools—Bd. Educ. 2 schools, one South St. and other North Washington St., brick, steel and stone, concrete pile foundations, to G. Dose Eng Co., Inc., 43 West 27th St., New York. $500,000.

N. Y., New York—Apartment—Estate L. S. Bryce, 14 story, brick, steel and stone, concrete pile foundation, 5th Ave. and 95th St., to F. F. French Co., Madison Ave. and 41st St., $500,000.

N. Y., New York—Apartment—J. Paterno, 719 West 115th St., 6 story, brick, steel and stone, concrete pile foundation, East 163rd St. $325,000. Work will be done by day labor. G. F. Pelham, 200 West 72nd St., archt. and engr.

N. Y., New York—School—Bd. Educ., 500 Park Ave., P. S. 189, Amsterdam Ave. between 188th and 189th Sts., to E. Diebitch, 383 Madison Ave., $587,000. Noted Sept. 29.

N. J., Atlantic City—Hotel—Rankin, Kellogg & Crane, archts., 1012 Walnut St., Phila., 14 story, 135 x 145 ft., marble, tile, rein.-con., steel and brick, rein.-con. flooring, plain foundation, North Carolina Ave. and Beach, here, to G. A. Fuller, 321 Walnut St., Phila., for Leeds & Lippincott, Haddon Hall. $2,000,000. Noted Aug. 18.

N. J., Kearny (Arlington, P. O.)—High School—Bd. Educ. 2 story, brick and limestone, including 2 gymnasiums, swimming pool and auditorium to seat 1,300, Devon St., to S. Schrimshaw & Co., 526 Elm St., $654,656. Noted Sept. 29.

N. J., Rutherford—High School—Bd. Educ. 2 story, brick and stone, brick foundation, to F. and T. Hearter, West New York, $325,000. Noted Sept. 8.

Pa., Easton—Bank and Office—Easton Trust Co., Center Sy. and South 3rd St., 5 story, 40 x 50 ft. brick, steel and stone addition, to Hoggson Bros., 485-5th Ave., New York. $245,000.

Pa., Sunbury—Bank and Office—Ritter & Shay, archts., North Amer. Bldg., Phila., 5 story, 60 x 120 ft., cut stone, marble and tile, rein-con. flooring, plain foundation, here, to J. R. Wiggins Co., 18th and Cherry Sts., Phila., for Sunbury Trust & Safe Deposit Co., 4th and Market Sts. $250,000. Noted July 21.

O., Akron—School—Bd. Educ. Caldwell School, 2 story, brick, steel and concrete, rein-con. flooring, plain foundation, to Carmichael Constr. Co., 524 Hamilton Bldg. $183,000. Noted Sept. 22.

O., Cleveland—School—Bd. Educ., East 6th St. and Rockwell Ave., Sunbeam School, 3 story, brick, steel and concrete, rein.-con. flooring, brick and concrete foundation, to C. C. Kinne, Bangor Bldg. $353,700.

O., Toledo—Church—Christian Science Church, 2 story, 80 x 150 ft., Indiana limestone, rein.-con., brick and steel, rein.-con. flooring, plain and concrete pile foundation, Erie St., to A. Bentley & Son Co., 201-31 Belmont Ave., $275,000.

O., Toledo—School—Bd. Educ. 2 story, 100 x 200 ft., rein.-con., brick and tile, rein.-con. flooring, concrete pile foundation, East Bway., to A. Bentley & Son Co., 201-31 Belmont Ave., $389,890.

O., Uhrichsville—School—Bd. Educ. 2 story, 72 x 210 ft. brick, stone and concrete, to D. W. McGrath & Son, 5th and Walnut Sts., Columbus, $249,000. Noted Sept. 22.

Mich., Ann Arbor—Schools—Bd. Educ. to H. G. Christman Co., 315 Stevens Bldg. 2 story, 14 room, on Miller Ave., $200,000. Six Ward School, 12 room, $150,000, also 2e room school on Jones School site, rein-con., brick, steel, stone and terra cotta, rein.-con flooring, concrete foundations. Noted Sept 8

Mich., Detroit—Apartment—H. Silverman, c/o M. Finkel, archt., 333 Majestic Bldg., masonry contract 4 story, brick, stone and steel, rein.-con. and wood flooring, concrete foundation, 2nd Blvd. and East Canfield Ave., to H. Soltar, 574 Harmon St., $150,000. Noted July 14.

Ill., Danville—Armory—State, c/o E. D. Martin, archt., 304 South Wabash Ave., Chicago, 2 story, 160 x 168 ft., rein.-con and brick, to H. B. Krauel & Co., Dale Bldg., $200,000. Noted Sept. 22.

Ill., Hinsdale—Gymnasium and Auditorium—Bd. Educ. 1 story, 50 x 91 ft. rein.-con., brick and stone, to Dahl-Stedman Co., 11 South La Salle St., Chicago. $150,000.

Wis., Green Bay—Community Club etc—North Side Impvt. Assn., c/o J. T. Kuske, 209 Minahan Bldg., 2 story, 110 x 136 ft., brick, rein.-con. and tile, Main St., to Pinchard Bros., 605 St. George St., $150,000.

Wis., Kaukauna—City Hall—For 2 story, brick and concrete, rein.-con. flooring, plain foundation, to J. Coppes, Kaukauna. $150,000; cost plus percentage basis Noted June 23.

Ia., Des Moines—High School—Bd. Educ., Abraham Lincoln School, 2 story, 240 x 360 ft., rein.-con., tile and stone, rein.-con. flooring, on South West 9th and Loomis Sts., to J. E. Lovejoy, 1013 Mulberry St., $606,000. Noted Sept. 8.

Kan., Manhattan—Economics and Cafeteria—State, c/o J. A. Kimball, Topeka, 2 story 82 x 130 ft., to Scott Bros. Constr. Co., Peabody, $150,000. Noted Sept. 8.

Neb., Omaha—Apartment—R. Renwick, 206 North 49th St., will build 3 story, 130 x 130 ft., rein.-con. and brick, 115 Dundee St. $175,000. Work will be done by day labor. Noted Sept. 22.

S. D., McLaughlin—School—Bd. Educ., 3 story, 64 x 140 ft. rein.-con., brick and steel, to F. Peterson, Aberdeen, $150,000 Noted June 25.

Wyo., Cheyenne—High School—Bd. Educ., 3 story, 100 x 160 ft., 28th and Evans Sts. to J. W. Howard, Cheyenne, $318,720. Noted Sept. 1.

Mo., Kansas City—Exposition—Kansas City Stock Yards c/o W. H. Weeks, Live Stock Exch., 2 story, 300 x 870 ft., brick, stone and rein.-con., 23rd St. and Trafficway. $400,000. Work will be done by day labor. Architects name withheld.

Mo., Kansas City—School—Bd Educ., c/o J. B. Jackson, Jr., secy., Library Bldg., Caxton School, 2 story, 36 x 85 ft. and 54 x 99 ft., rein.-con., brick and stone.

Buildings (Continued)

37th and Paseo Sts., to A. G. Harker, 6235 13th St., $150,000.

Mo., St. Louis—Hotel—C. Ulman, 4540 Lindell St., 8 story, 195 x 230 ft., rein.-con. brick and terra-cotta, Kingshighway and Lindell St. $4,000,000. Work will be done by day labor under supervision of P. J. Bradshaw, archt., International Life Bldg. Noted July 14.

Tex., Houston—Church—First Baptist Church, general contract 4 story, 104 x 252 ft., steel frame, concrete floor slabs, to Amer. Constr. Co., 411 Gulf Bldg., $475,000. Noted July 28.

Tex., Tyler—Hotel—Tyler Hotel Co., Sumpter Bldg., general, heating and plumbing contracts, 5 story, 100 x 125 ft., to Kidd-Scruggs Co., Insurance Bldg., Dallas, $220,000. Noted Sept. 1.

Okla., Sulphur—Hospital—Soldiers Relief Comn., c/o H. B. Bell, Ardmore, 2 story, rein.-con., brick and steel, rein.-con. flooring, brick and rock foundation, to W. S. Bellows & Co., Oklahoma City, $158,000. Noted Sept. 15.

Okla., Tulsa—Store—D. Hunt Co., 1539 South Madison St., 5 story, 95 x 150 ft., brick, steel and terra cotta, 4th and Main Sts., to A. F. Wasielewski, 517 South Main St., $350,000.

Que., Montreal — Apartment — Westmount Industrial Corp., 21 Stanton St., 6 story, 73 x 93 ft. rein.-con., brick and stone, Sherbrooke St., to J. Shearer & Sons, Shearer St., $250,000.

Federal Government Work

PROPOSED WORK

Me., Bar Harbor—Radio Buildings—Spec. 4521—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans radio buildings here.

D. C., Bellevue—Underground Utilities—Spec. 4530—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans underground utilities, here.

D. C., Wash.—Foam Fire Protection System—Spec. 4525—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans foam fire protection system, here.

Va., Norfolk—Cooling Tank—Spec. 4523—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans cooling tank at radio station, here.

Va., Yorktown—Bridge, etc.—Spec. 4531—Bureau Yards & Docks, Navy Dept., Wash., D. C., plan bridge and sub-grade for road, here.

Cal., San Diego—Dispensary—Spec. 4527—Bureau Yards & Docks, Navy Dept., Wash., D. C., plan dispensary at Marine Corps Base, here.

Cal., San Diego—Foundation—Spec. 4528—Bureau Yards & Docks, Navy Dept., Wash., D. C., plan foundation for dispensary and post exchange, here.

BIDS DESIRED

Pa., Phila.—Dredging—Oct. 20, by U. S. Shipping Bd., Emergency Fleet Corp., c/o J. M. Hoffman, capt., Room 3933, Navy Bldg., Wash., D. C., dredging North and South Slips, Pier 98 South (Army Base) here.

La., Alexandria—Refrigerating Plant—Oct. 19 (change of date), by Treas. Dept., Wash., D. C., ice-making refrigerating plant in kitchen and mess building, U. S. Public Health Service Hospital 27, here. J. A. Wetmore, acting superv. archt.; adv. this issue. Noted Aug. 25.

Cal., Mare Island—Remodeling Barracks—Spec. 4489—Nov. 2, by Bureau Yards & Docks, Navy Dept., Wash., D. C., remodeling barracks, Building 53, here.

H. T., Pearl Harbor—Storehouse—Spec. 4504—Dec. 7, by Bureau Yards & Docks, Navy Dept., Wash., D. C., 1 story storehouse, here. Noted Aug. 4.

BIDS RECEIVED

N. J., Lake Denmark—Power Plant Impvts.—Spec. 4501—Bureau Yards & Docks, Navy Dept., Wash., D. C., power plant improvements and fire protection system, here, from Lord Constr. Co., 105 West 40th St., New York, $28,384 (125 days); R. J. Mansfield, 135 William St., New York, $34,116 (125 days); Carroll Electric Co., 714 12th St., Wash., D. C., $36,000 (125 days). Noted Aug. 25.

Md., Annapolis—Boiler Plant Improvements—Spec. 4500—Bureau Yards & Docks, Navy Dept., Wash., D. C., boiler plant improvements at Naval Academy Hospital, here, from H. E. Crook Co., 28 Light St., Baltimore, Md., $12,875 (90 days); Carroll Electric Co., 714 12th St., N. W., Wash., D. C., $12 955 (90 days); R. J. Mansfield, 135 William St., New York, $12,981 (90 days). Noted Sept. 15.

D. C., Wash.—Dispensary—Spec. 4486—Bureau Yards & Docks, Navy Dept., dispensary building, at Navy Yard, here. (1) work complete, from M. A. Long Co., 1523 Munsey Bldg., Baltimore, Md., (1) $53,795, (2) $1,100, (3) $600 (150 days). Noted Sept. 15.

Col., Ft. Lyon—Steam Distribution System—Spec. 4520—Bureau Yards & Docks, Navy Dept., Wash., D. C., steam distribution system, at Naval Hospital, here, (1) work complete from Carroll Electric Co., 714 12th St., N. W., Wash., D. C., (1) $114,000, (1a) $97,000, (2) $18,000; J. W. Danforth Co., 72 Ellicott St., Buffalo, N. Y., (1) $134,248 (210 days), (2) $11,435 (30 days); W. G. Cornell, 45 East 17th St., New York, (1) $128,065, (2) $15,115 (120 days). Noted Sept. 22.

CONTRACTS AWARDED

D. C., Wash.—Dispensary—Spec. 4486—Bureau Yards & Docks, Navy Dept., Wash., D., C., dispensary building at Navy Yard, to M. A. Long, 1523 Munsey Bldg., Baltimore, Md., $53,795 (150 days). Noted Sept. 15.

Col., Ft. Lyon—Steam Distribution System—Spec. 4520—Bureau Yards & Docks, Navy Dept., Wash., D. C., steam distribution system at Naval Hospital, here, to Orman Constr. Co., 1000 Cateret Ave., Pueblo, $110,000. Noted Sept. 22.

FEDERAL POWER COMMISSION

Application for Licenses and Permits

Applications

245 — **Darwin Silver Co., c/o W. A. Lamar, Independence, Inyo Co., Cal.**—Wants license for transmission line from main transmission line of Los Angeles to its mining property in Inyo Co.

246—**F. C. Dougerty, Palace Hotel, San Francisco, Cal.**—Wants preliminary permit to develop power at Crater, Long and Tease Lakes, Sweetheart Falls, near Port Snettisham, 42 mi. from Juneau, Alaska in Tongass National Forest. Project includes four dams and power houses, total development of 66,000 hp.

247—**W. H. Samson, Corning, Tehama Co., Cal**—Wants permit for power development Stuart's Fork, Trinity River, in Trinity Natl. Forest, Cal. Project includes dam 75 ft. high, storing 34,000 acre ft., 8 mi. conduits etc.

248 — **Southern Sierras Power Co., c/o W. L. Huber, 1st Natl. Bank Bldg., San Francisco, Cal.**—Wants permit to develop power on Bear Creek and Santa Ana River, Angeles National Forest, Riverside Co., Cal. Project includes diversion of two streams to common power house, 25,000 hp. capacity.

249—**L. Jorgenson, 1405 Chronicle Bldg., San Francisco, Cal.**—Wants preliminary permit to develop power on Middle Fork of Feather River, in Plumas Sierra and Butte Counties, Cal. Project involves 6 reservoirs, capacity 372,000 acre ft. conduits, tunnels and six power houses, with total development 200,000 hp.

250—**Northern States Power Co., 208 South La Salle St., Chicago, Ill.**—Wants preliminary permit to develop 6 power projects, near Otsego, Monticello and Clearwater on Mississippi River, above St. Croix Falls, Chisago Co., on Snake River near Pine City, and 3 mi. from mouth of Kettle River, Burnett Co., on St. Croix River. Dams 36, 30, 30, 40, 55 and 30 ft. respectively. Project includes reservoir 5,000,000,000 cu. ft. capacity.

251—**R. T. Harding, 105 Montgomery St., San Francisco, Cal.**—Wants preliminary permit to divert water from Bucks and Grizzly Creeks, near North Fork, Feather River, to forebay and power house in Plumas Co., Cal., total develop 10,000 hp.

252—**E. T. Fletcher, 920 8th St., San Diego, Cal.**—Wants perliminary permit to develop power in Santa Ysabel and Black Canyon Creeks. Project includes dam 200 ft. high, diversion dam and 5.6 mi. pine line to power house in San Diego Co., Cal.,

253—**Gladstone Mining Co., Buena Vista, Cal.**—Wants license for power development on Denny Creek, Col.

254. Rio Grande Light, Heat & Power Co., Albuquerque, N. M.—Wants license for dam and power house in Rio Grande River, in Rock Canyon, in Sandoval and Santa Fe Counties, N. M.

Miscellaneous

PROPOSED WORK

Incinerator — Brooklyn, N. Y. — Dept. Welfare, Municipal Bldg., New York rejected bids garbage incinerator at Kings Co. Hospital, here. Work will be readvertised. Noted Sept. 29.

Piers, etc.—Holmesburg (Phila. P. O.) Pa.—City of Phila. plans completing piers and grounds at Home for Indigent, here. $50,000. W. F. Noller, Holmesburg, engr.

Dredging Equipment—Phila., Pa.—Dept. Wharves, Bourse Bldg., plans to purchase additional units for dredging plant. $500,000. N. L. Stamm, Bourse Bldg., engr.

Fire Boat—Phila. Pa.—Plans to purchase oil burning fire boat, $180,000. N. L. Stamm, Bourse Bldg., engr.

Fair Grounds — Aurora, Ill. — Northern Illinois Fair & Exposition Assn., c/o F. Thielen, having plans prepared, concrete grandstand, bandstand, ½ mi. dirt track, exposition building, barns, race track, poultry house, fire station, office and main entrance buildings, and bridge over railroad tracks. $500,000. Private plans.

Flood Protection Work, etc.—Whiting, Kan.—Straight Creek D. D., c/o C. E. Schrader, secy., having plans prepared flood protection work, earth excavation, concrete retaining walls. Bonds for $60,000 voted. Tuttle-Ayres & Woodward, Reliance Bldg., Kansas City, Mo., engrs.

Swimming Pool—Fargo, N. D.—Election Oct. 28, $50,000 bonds, concrete swimming pool. R. T. Jacobsen, city engr.

Underground Cable, etc.—Kendall (Tulsa P. O.), Okla.—Southwestern Bell Telephone Co., Pioneer Bldg., Tulsa, plans 4 mi. underground cable, 65,000 ft. aerial cable and possibly another exchange, here. $120,000. G. H. Culver, dist. engr.

Docks, etc.—Windsor, Ont.—International Ferry Co. plans docks and offices at ferry. $150,000. Private plans. Prices wanted on all materials.

BIDS DESIRED

Refined Asphalt, etc.—New York, N. Y.—Oct. 13, by H. H. Curran, pres. Manhattan Boro, Municipal Bldg., furnishing and delivery 140,000 gal. refined asphalt, 1,500 cu.yd. binder stone, 2,800 cu.yd. asphalt sand, 940 net ton limestone, 1,500 bbl. Portland cement 25,000 grade 1 granite paving blocks, 1,200 cu.yd. 1½ in. gravel or broken stone and 1,500 cu.yd. paving sand.

Electrical Work—Ossining, N. Y.—Oct. 11, by C. F. Rattigan, supt. State Prisons, Capitol, Albany, electrical work, extension of underground electric conduit feeder system and pump house, Sing Sing Prison, here. L. F. Pilcher, state archt.; adv. this issue.

Trestle and Bins—Wash., D. C.—Oct. 25, at office Dist. Comrs., 509 Dist. Bldg., reconstructing trestle and bins, adv. this issue.

Piling and Lumber—New Orleans, La.—Oct. 11, by Bd. Port Comrs., Court House Bldg., 77,000 lin. ft. S. Y. P., Requisition E. D. 9854; 450,000 ft. creosoted S. Y. P. lumber, Requisition E. D. 9887; 355,000 ft. untreated lumber, Requisition E. D. 9925. W. A. Kernagan, vice-pres.

Subway — Detroit, Mich. — Oct. 21, by Dept. Pub. Wks., subway under New York Central R. R. and Wabash R. R., on Military Ave.,285,800 lb. reinforcing and 662,200 lb. structural steel, 13,800 lb. structural iron, 4,570 cu.yd. rein.-con., 165 cu.yd. mass concrete, 3,160 sq.yd. brick, paving on concrete base, 9,100 sq.ft. sidewalks, 1,020 lin. ft. curbing. C. W. Hubbel, city engr.

Lighting Fixtures—Creston, Ia.—Oct. 10, at office B. Tallman, clk., electrical street lighting fixtures, 50 single light post standards with fixtures, 5,000 ft. underground cables, etc. P. K. De Voe, city engr.

Tunnel—Seattle, Wash.—Oct. 14 (change of date) by Bd. Pub. Wks., tunnel for Gorge Creek Plant of the Skagit River development, 1,100 ft. long, $2,000,000. C. F. Uhden, 314 29th St., engr. Noted Sept. 16.

BIDS RECEIVED

Core Stone, etc.—Coney Island (Brooklyn, P. O.), N. Y.—E. Riegelmann, pres. Brooklyn Boro., Boro. Hall, for improvement and protection of beach, here, 30,000 ton core stone for jetties, etc., from Phoenix Constr. Co., 41 Park Row, New York, $1,891,274; Underpinning & Foundation Co., 3rd and Oliver Sts., Long Island City, $1,900,280; Smith, Hauser & MacIsaacs, Inc., 18 East 41st St., New York, $2,034,466. Noted Sept. 8.

Ferry Houses, etc.—Palmyra, N. J.—Tacony Ferry Co., c/o G. F. Sale, Liberty Bldg., Phila., timber and concrete ferry landing or wharf, 60 ft. wide, 180 ft. long with appurtenant bridge, rack, etc., at foot of Cinnaminson Ave., here to Simpson & Brown Co., 90 West St., New York, $38,491. Incorrectly noted Sept. 29.

CONTRACTS AWARDED

Grain Elevator—Piano, Ill.—Farmers Cooperative Grain Co., concrete and steel, 26,000 bbl. capacity, to Ballinger & McAlister, Bloomington, $28,315

OFFICIAL PROPOSALS

Bids: Oct. 7.

Highway Work

Albany, N. Y.

Sealed proposals will be received by the undersigned at their office, No. 55 Lancaster Street, Albany, N. Y., at 12 o'clock noon, eastern standard time, on Friday, the 7th day of October, 1921, for the improvement of highways in the following counties:

Chenango .....(one highway: 0.72)
Essex .....(one highway: 3.53)
Herkimer .....(one highway: 1.09)
Orange .....(one highway: 0.74)
Rockland .....(one highway: 1.07)
Seneca .....(one highway: 0.72)
Steuben (one completion).....
.....(two highways: 6.00 and 4.16)
Suffolk .....(one highway: 7.13)
Westchester .....(one highway: 2.76)

Also for the reconstruction of the following:

Cattaraugus .....(one contract)
Schenectady .....(one contract)
Tioga .....(one contract)
Westchester .....(one contract)

Maps, plans, specifications and estimates may be seen and proposal forms obtained at the office of the Commission in Albany, N. Y., and also at the office of the division engineers in whose division the roads are to be improved or reconstructed. The addresses of the division engineers and the counties in which they are in charge will be furnished upon request.

The especial attention of bidders is called to "General Information for Bidders" in the itemized proposal, specifications and contract agreement.

HERBERT S. SISSON,
Commissioner.

J. C. FINCH,
Secretary.

Bids: Oct. 20.

Concrete Construction

Grand Rapids, Mich.

Sealed proposals endorsed "Bids for Concrete Construction, Filter Plant Extension, Contract No. 6, Grand Rapids, Michigan," addressed to G. J. Wagner, Director of Public Service, will be received at the office of the Director, City Hall, Grand Rapids, Michigan, until 2 p.m. (Eastern Time), Thursday, October 20, 1921, and then and there publicly opened and read.

Proposals shall be made upon the blank form attached to the specifications and shall be sealed, plainly marked as above indicated and filed with the Director of Public Service not later than the above time and date.

Each bid must be accompanied by cash or a certified check made payable to the order of the City Manager for a sum equal to five per cent (5%) of the amount of the bid submitted.

All bids will be compared on the basis of the Engineers' estimate of the work.

Bidders are requested to examine, before submitting their bids, the site where the work is to be done.

The City Commission reserves the right to reject any or all bids.

Plans and specifications may be seen at the office of the City Engineer, City Hall, Grand Rapids, Michigan, or at the office of the Chief Engineer, 351 Summit-Cherry Building, Toledo, Ohio. Plans and specifications may be obtained from the office of the City Engineer, Grand Rapids, Michigan, upon payment of fifty dollars ($50.00) for each set; this amount to be refunded upon return before November 15, 1921, in good condition.

Quantities—

Proposals will be made on seventeen (17) items; the major quantities are as follows:

Concrete .....22,000 cubic yards.
Reinforcing Steel ....700,000 pounds.

G. J. WAGNER,
Director of Public Service.

R. E. HARRISON,
Chief Engineer.

Bids: Oct. 14.

Centrifugal Pumping Units

Ypsilanti, Mich.

Notice to Contractors. Sealed proposals will be received by the City of Ypsilanti, Michigan, up to 8 o'clock P.M., Eastern Standard time, of the 14th day of October, 1921, for furnishing three motor-driven centrifugal pumping units with capacities as follows:

One 750 gal. per min., against 225 foot head. One 1000 gal. per min., against 225 foot head. One 1500 gal. per min., against 225 foot head.

The plans and specifications under which the units are to be furnished may be examined at the office of the City Clerk, Ypsilanti, Michigan, or at the office of Hoad and Decker, Consulting Engineers, Ann Arbor, Michigan, and copies of same may be obtained by making a deposit of five dollars, which will be refunded upon their return in good condition.

A certified check for a sum equal to five percent (5%) of the amount of the bid will be required with each proposal.

The right to accept any proposal, to reject any or all proposals, and to waive defects in proposals is reserved by the City.

T. E. SCHAIBLE, Mayor.
H. E. HOLMES, City Clerk.
T. F. OLDER, Manager.

HOAD & DECKER, Consulting Engineers,
Ann Arbor, Mich.

Bids: Oct. 10.

Force Main and Substructures

Scarsdale, N. Y.

Sealed bids for the construction of about 0.3 miles of 16-inch cast iron force main, other piping, excavation and concrete foundations for pumping station and for standpipe and appurtenant work in the Town of Greenburgh, Westchester County, New York, will be received by the Scarsdale Board of Water Commissioners at the Village Hall, corner of Popham and Post Roads, Scarsdale, N. Y., until 8 o'clock p.m., on Oct. 10, 1921.

A deposit of $2,500 must be made with each bid, and the Contractor must provide a construction bond in the full amount of his bid.

Drawings and instructions to bidders, forms for proposal, contract and bond, and specifications, are obtainable at the office of George A. Johnson Company, Inc., 150 Nassau St., New York, N. Y., at the price of $5, which will not be refunded, or they may be examined there without charge.

The right is reserved to reject any or all bids.

SCARSDALE BOARD OF WATER COMMISSIONERS.
GEORGE W. FIELD,
Clerk.

Sept. 26, 1921.

Bids: Oct. 17.

Pumping Station

Boonton, N. J.

Notice is hereby given that sealed proposals will be received by the Mayor and Board of Aldermen of the Town of Boonton, N. J., on Monday, Oct. 17, 1921, at 8 p.m., at the Aldermanic Chambers, Main Street, Boonton, at which time and place the said proposals will be opened and read, for the construction and equipment of a high service pumping station.

Proposals must be addressed to Albert P. Smith, Town Clerk, and marked "Proposal for Pumping Station." Each proposal must be accompanied by a certified check for One Thousand Dollars, and also a certificate from a Surety Company authorized to do business in New Jersey, stating that such Surety Company will provide the bidder with a bond in such sum and for such purposes as are required by the Specifications.

Plans and Specifications may be seen and obtained at the office of the Town Clerk, 716 Main Street, Boonton.

The Mayor and Board of Aldermen reserve the right to reject any or all bids.

ALBERT P. SMITH, Town Clerk.

Bids: Oct. 27.

Pumping Plant

Pike County, Ill.

Sealed bids will be received by the Commissioners of the Valley City Drainage and Levee District, Pike County, Illinois, in the office of the engineer, Edmund T. Perkins Engineering Company, 1210, 38 South Dearborn Street, Chicago, Illinois, until October 27th, 1921, 2:00 p.m., for the construction of a pumping plant in said district, consisting of two centrifugal pumps of about 40,000 gallons per minute capacity, together with fuel oil engines, building and necessary appurtenances, according to the plans and specifications on file with the Board of Commissioners of said district.

Bids will be received upon all or any part of the work. The commissioners reserve the right to reject any and all bids and readvertise the letting of the work.

Each person bidding on the work shall deposit a proposal bond or a certified check for ten (10) per cent of the amount of his bid.

Payments for the work will be based on monthly estimates, ten (10) per cent being retained until the work is finally accepted.

Special facilities for seeing the work will be provided upon request to the Edmund T. Perkins Engineering Company, 1210, 38 South Dearborn Street, Chicago, Illinois.

Plans and specifications will be furnished by the Edmund T. Perkins Engineering Company upon the deposit of $5.00, which deposit will be refunded upon return of the plans and specifications in good order within ten (10) days after the awarding of contract.

WM. SEVERNS, Chairman.
THOMAS MEEHAN, Commissioner.
HARRY G. EDWARDS, Commissioner.

Bids: Oct. 13.

Water Works Construction

Harrisburg, Pa.

Sealed proposals for building extensions and improvements to the water-works of Harrisburg, Pa., will be received at the Council Chamber until 1 p.m., October 13, 1921, Harrisburg, Pa., at which time they will be publicly opened and read. The work will be done under four contracts, as follows:

CONTRACT A—"Enlargement of the Filtration Plant." This will include the installation of eight new filters, a filter building, a pure-water reservoir, sedimentation and coagulation basins and a 15,000,000-gallon low-lift pumping unit with boiler and accessories.

CONTRACT B—"Improvement of the Pumping Station." This will include the installation of two 15,000,000-gallon high-lift centrifugal pumps with boilers and accessories and a boiler house.

CONTRACT C—"New Force Main." This will include the laying of approximately 2,000 feet of 36-inch Class C cast-iron pipe.

CONTRACT D—"Alteration of Athletic Field." This will include, principally, the building of a wooden grandstand and bleachers, to seat approximately 4,000 people.

Each contract may be awarded separately, or all, or any number, may be awarded to one contractor.

Proposals must be accompanied by certified check equal to 10 per cent of the total bid for each contract. A bond will be required in the amount of 25 per cent of each contract. The right is reserved to reject any or all bids.

"Information for Bidders," "Form of Contract," "Specifications," and plans, may be had at the office of Dr. Samuel F. Hassler, Supt. Public Safety, Harrisburg, Pa., or at the office of James H. Fuertes, Consulting Engineer, 140 Nassau Street, New York, upon request, and upon deposit of $25.00, which will be returned to the prospective bidder upon the return of the drawings and specifications.

S. F. HASSLER,
Supt. Public Safety,
Harrisburg, Pa.